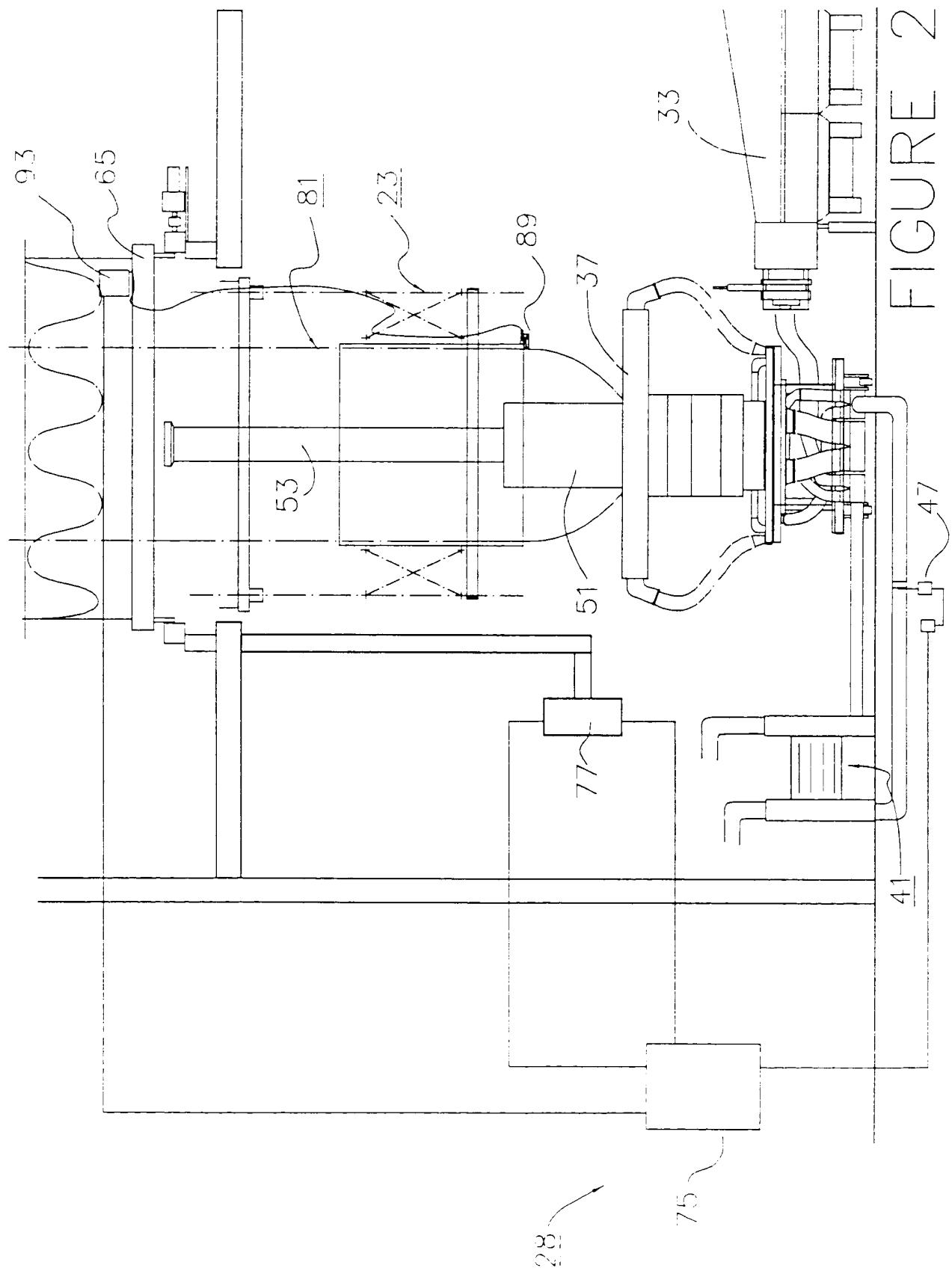


FIGURE 1



## FIGURE 2

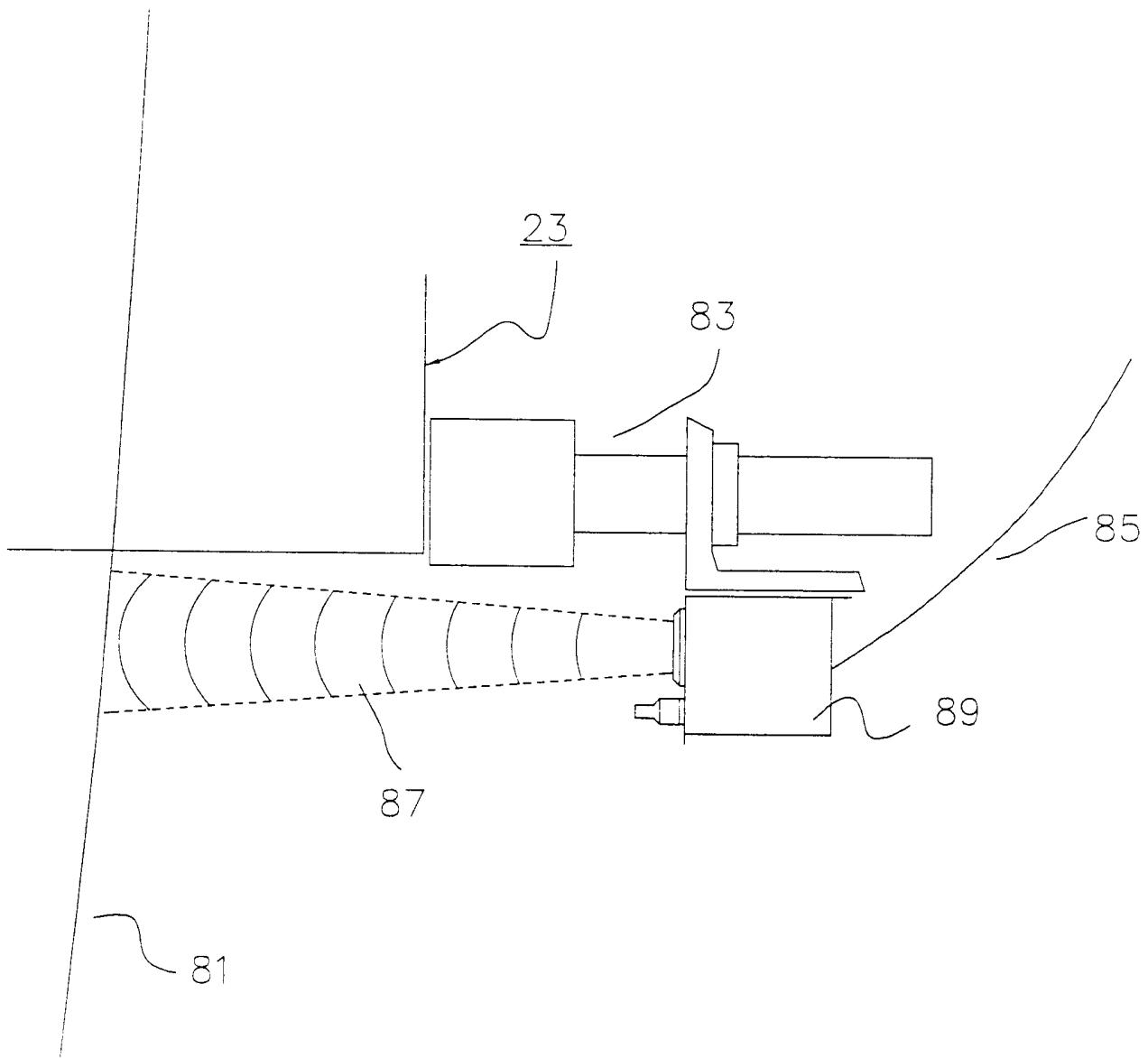


FIGURE 3

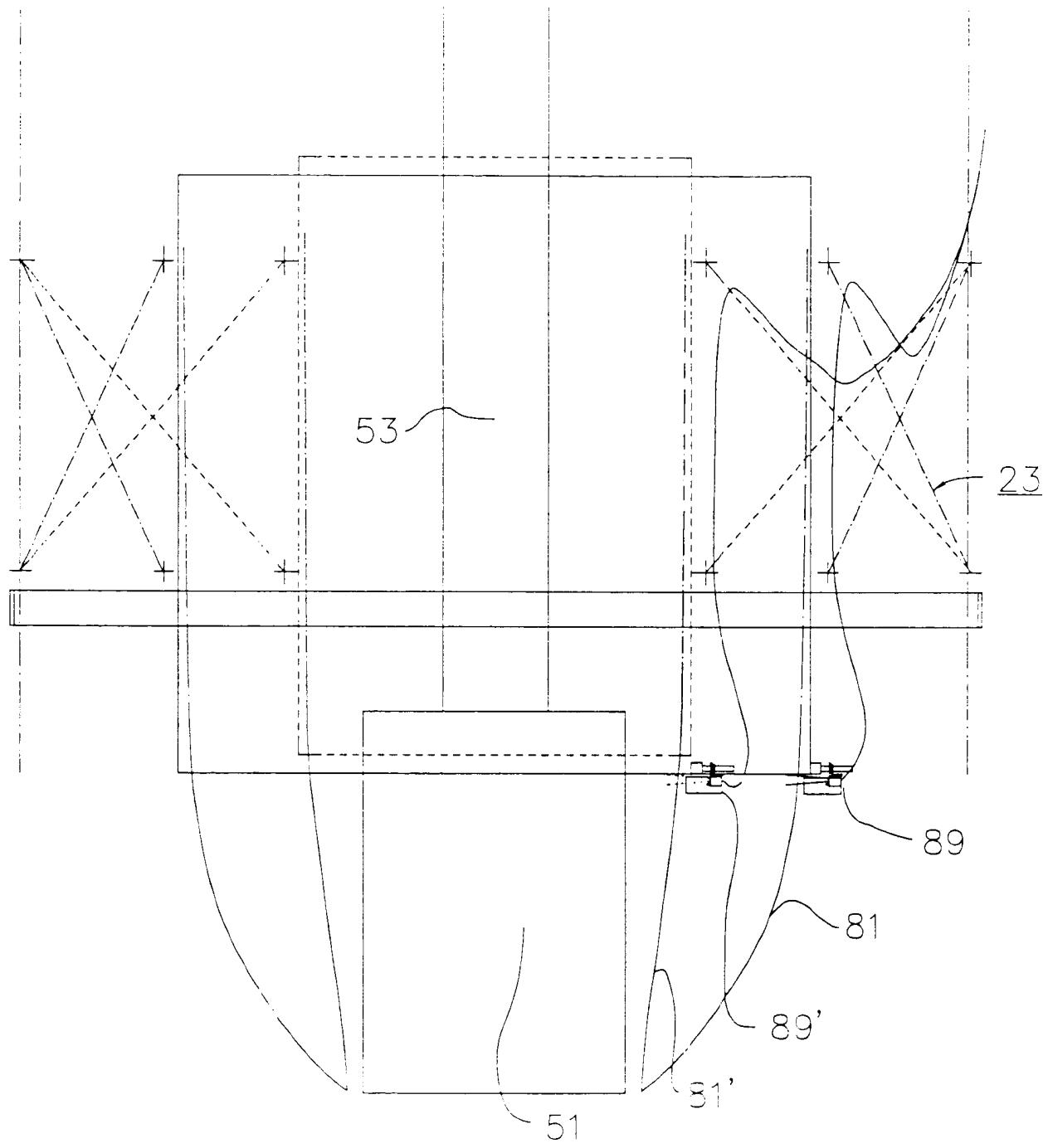


FIGURE 4

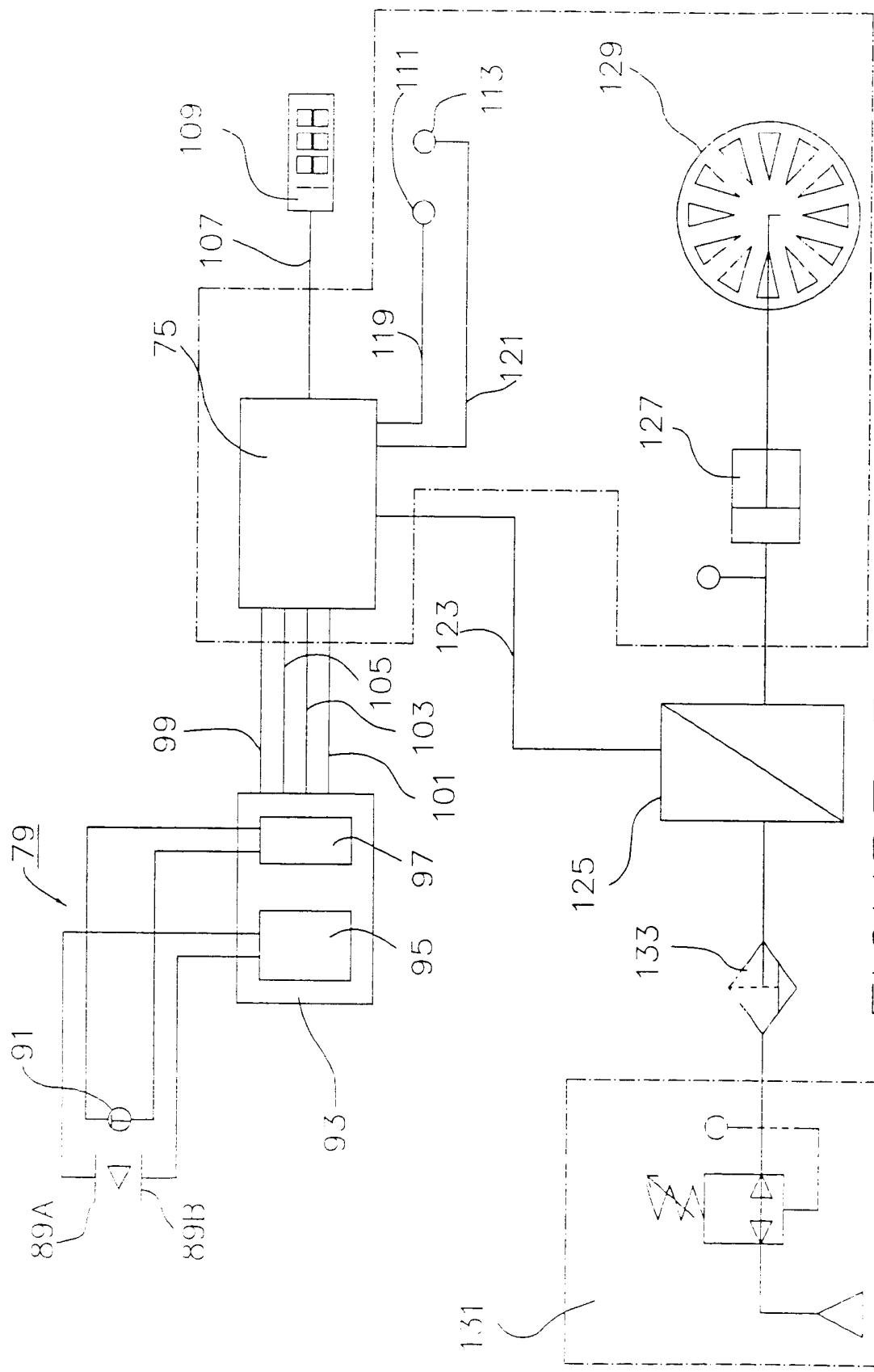
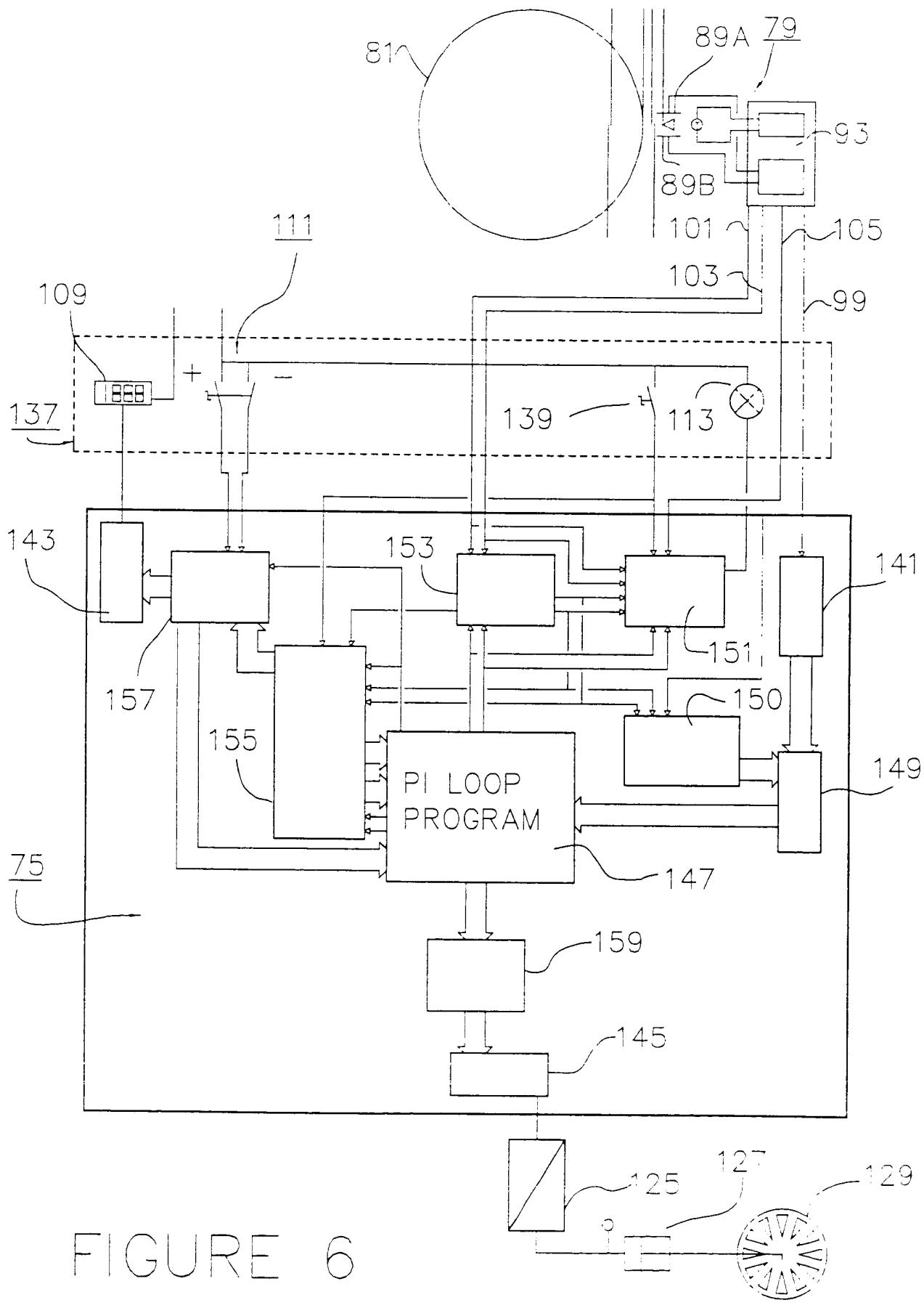


FIGURE 5



## FIGURE 6

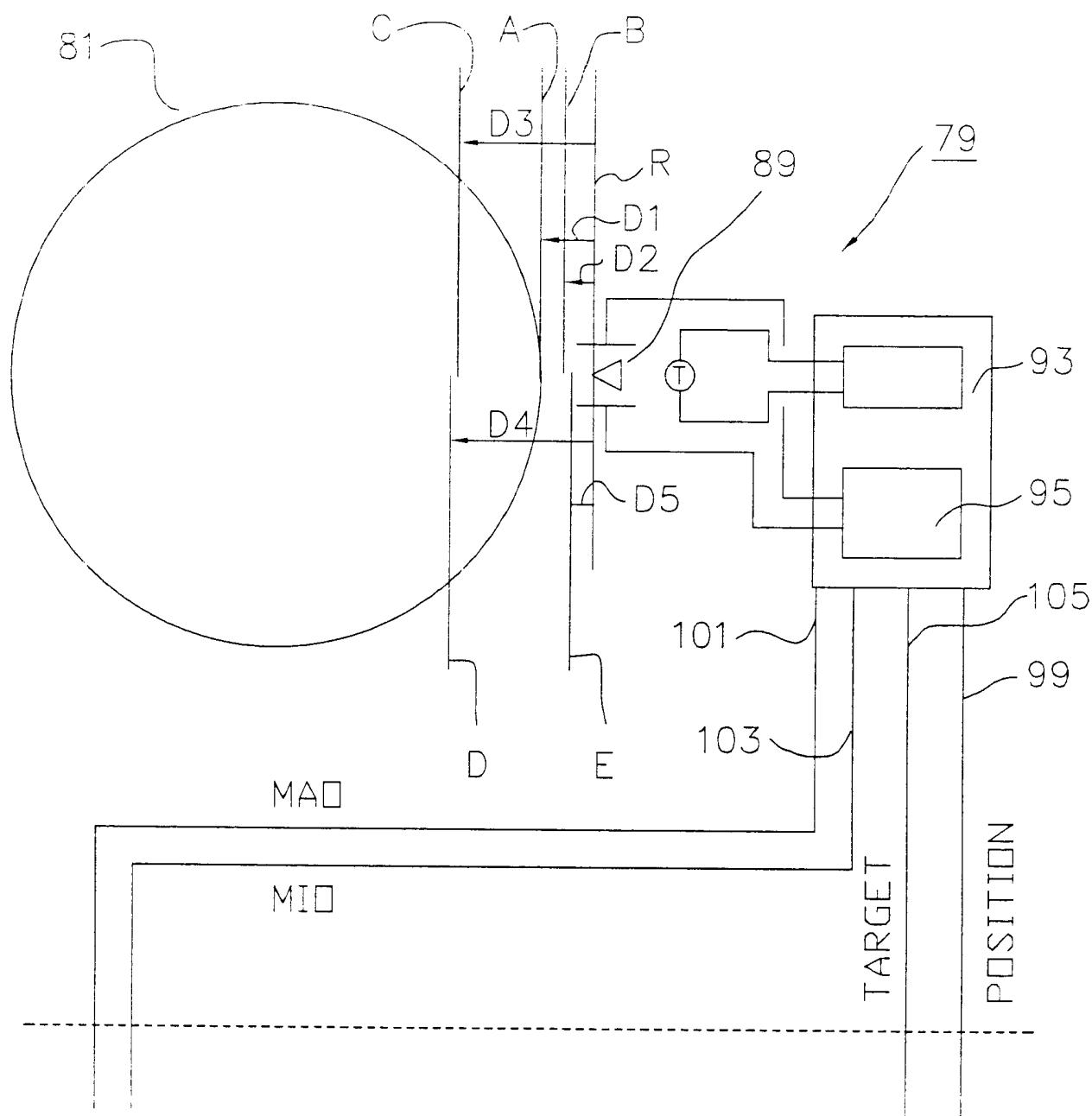


FIGURE 7A

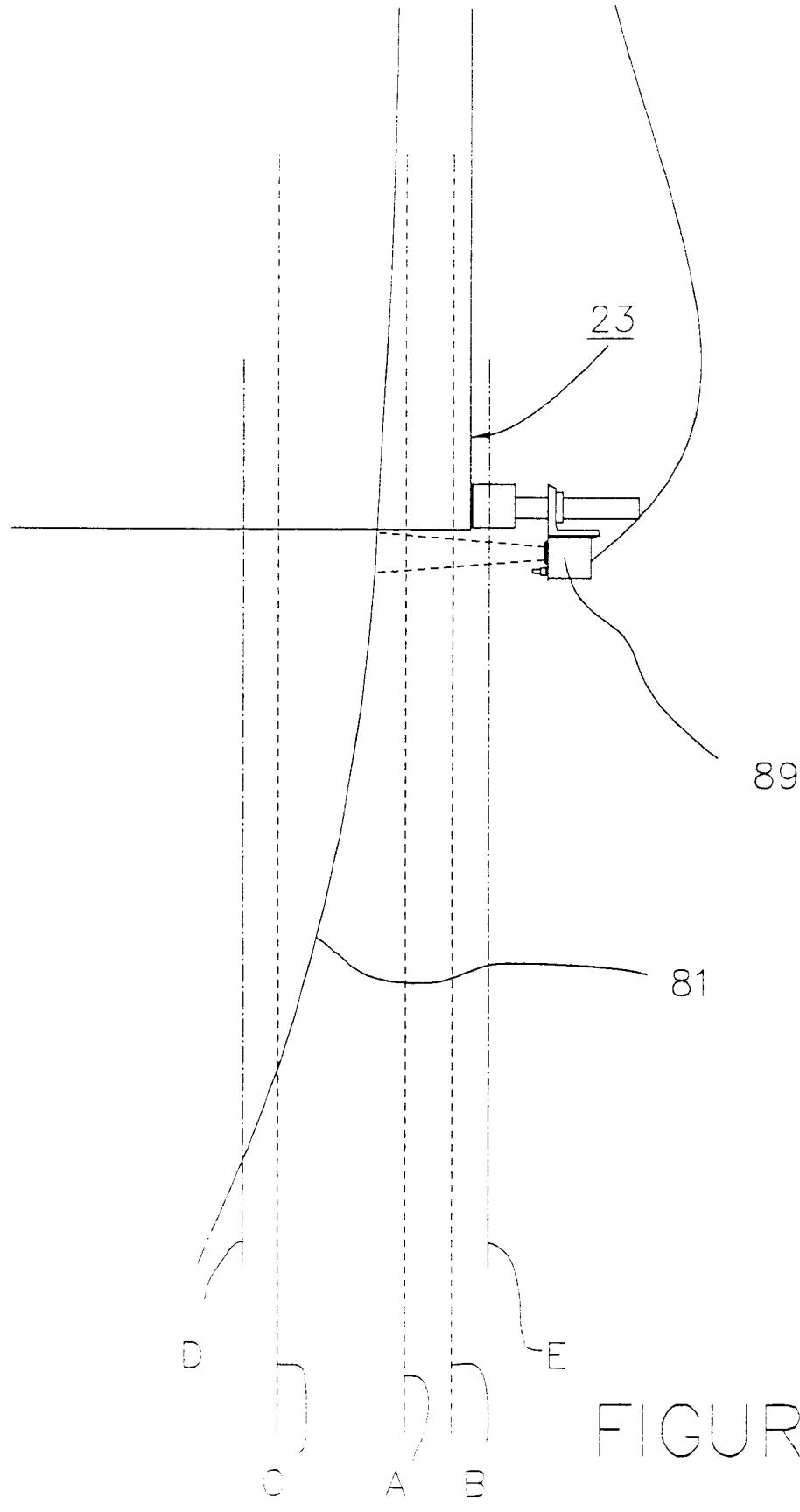


FIGURE 7B

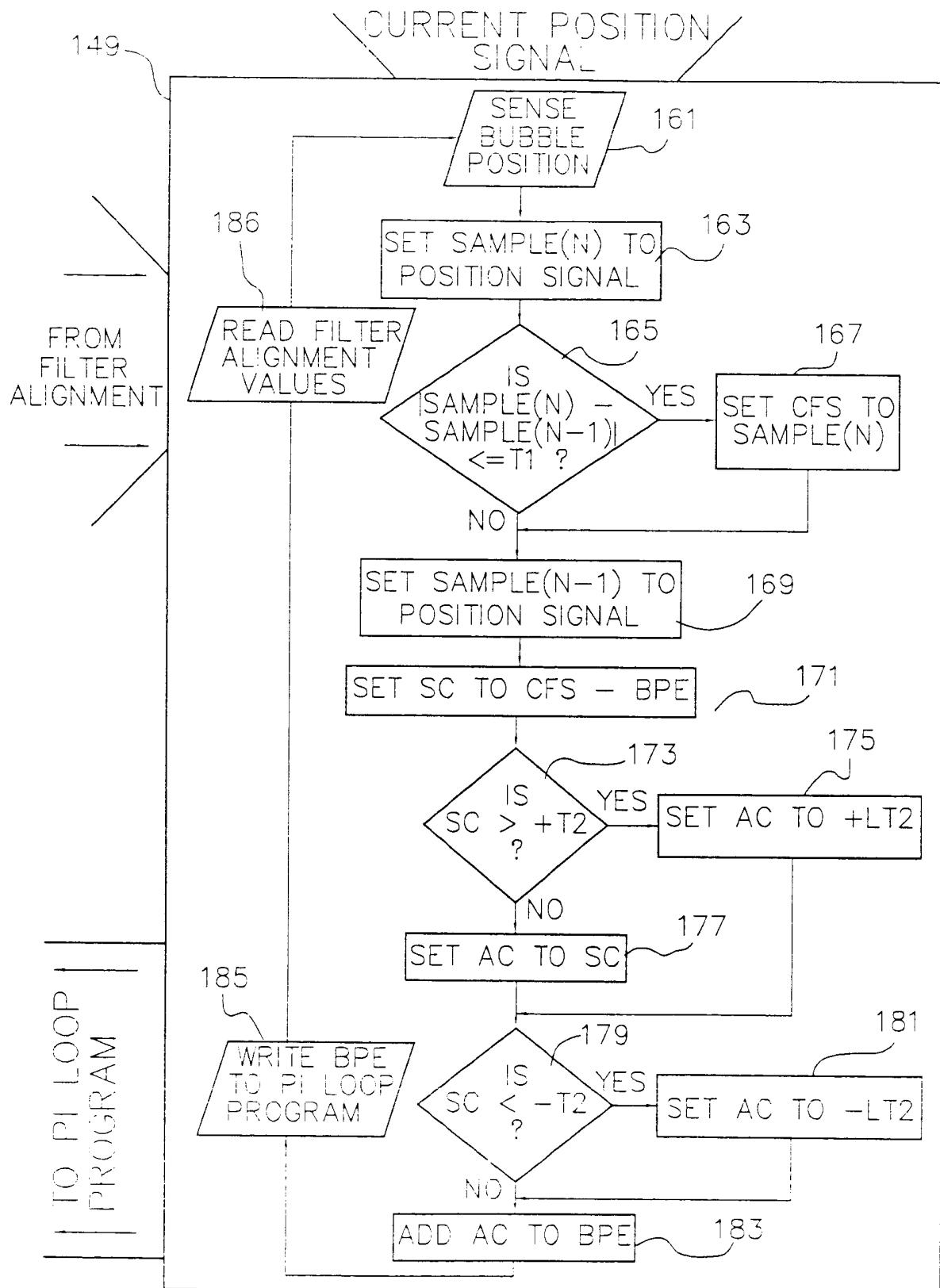


FIGURE 8A

15-IBC1 FILTER SIMULATION  
INPUT = RAMPING LINE WITH RANDOM NOISE

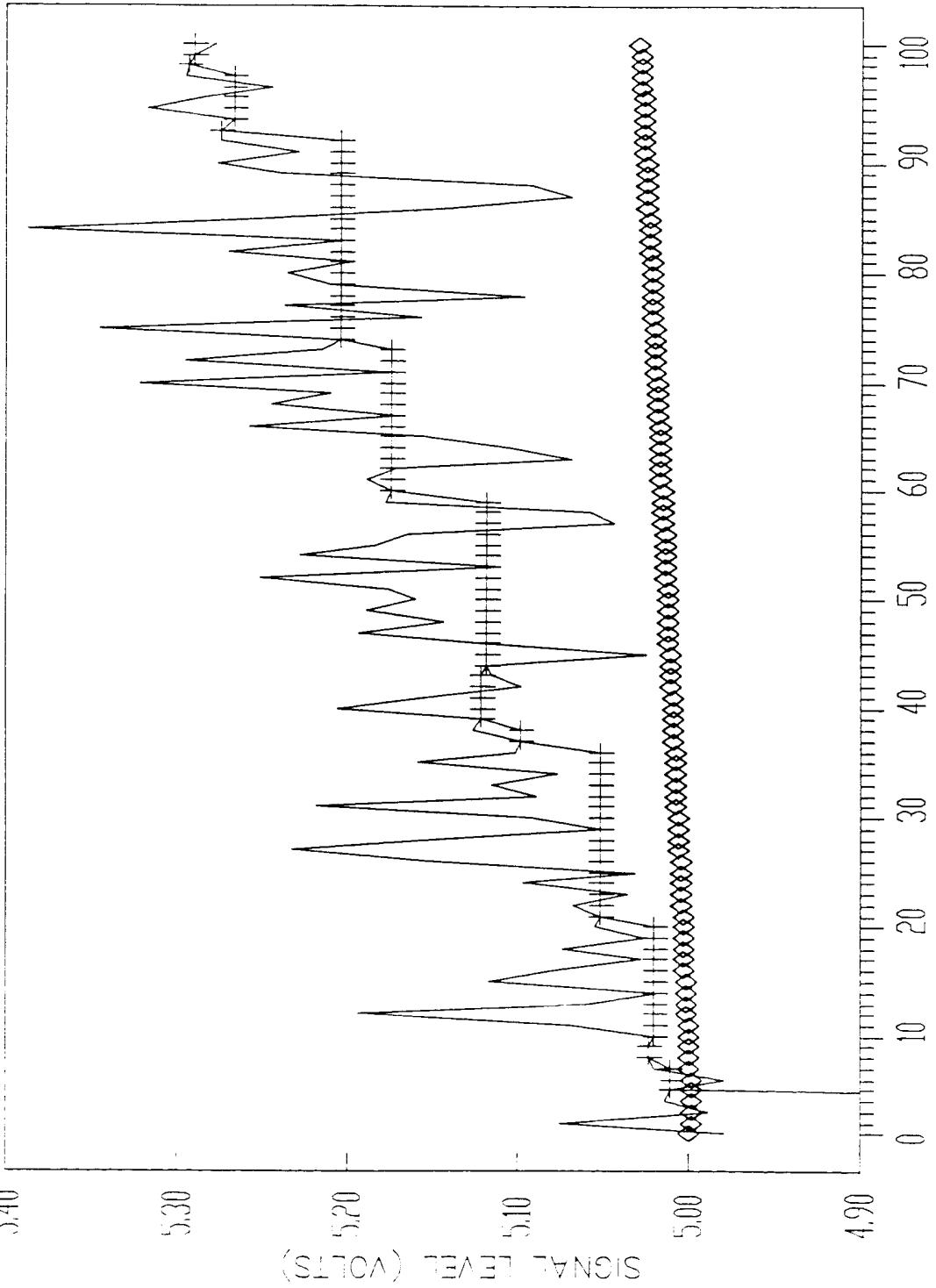
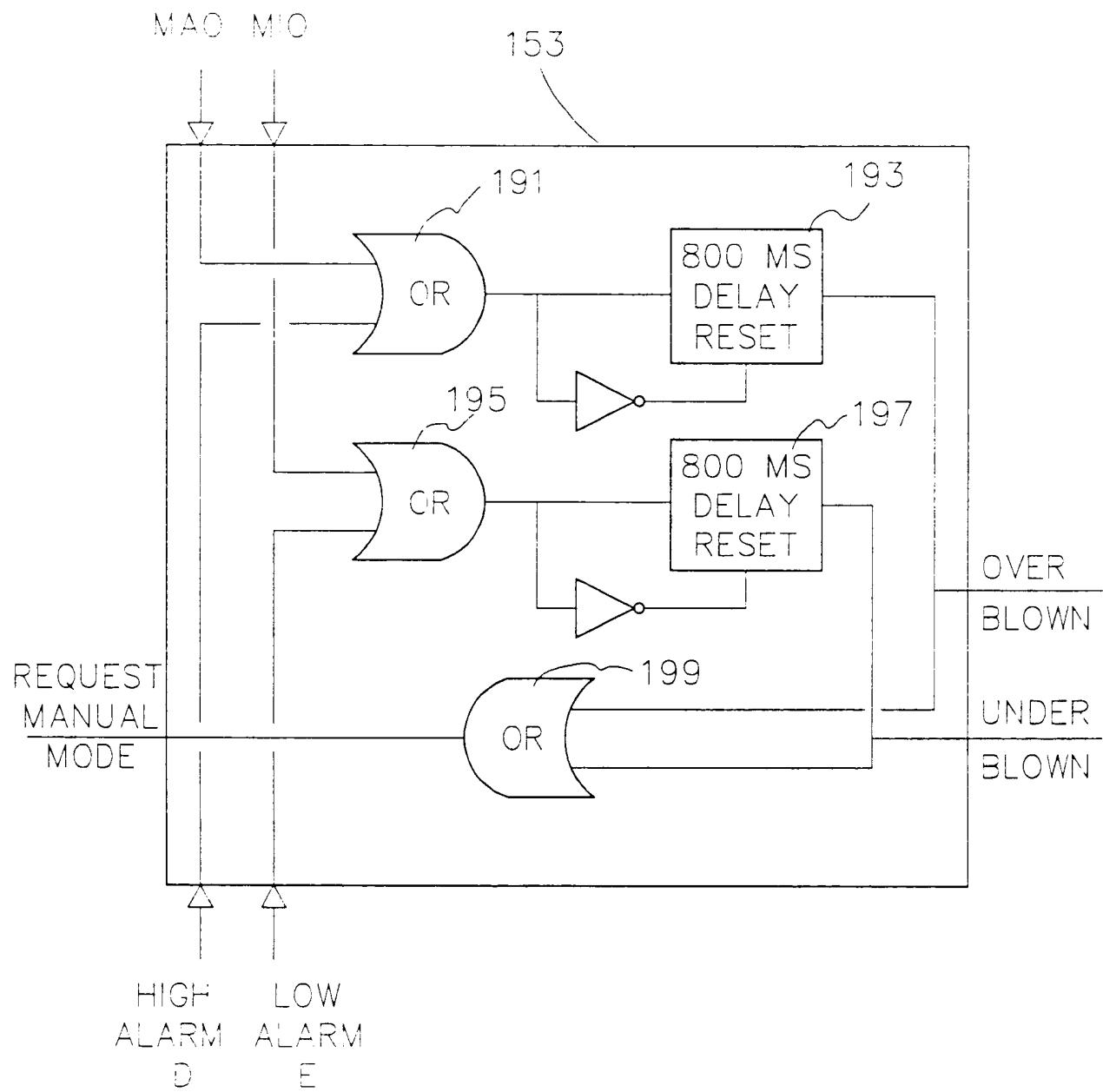


FIGURE 8B  
- INPUT + CFS      ♦ BPE



## FIGURE 9

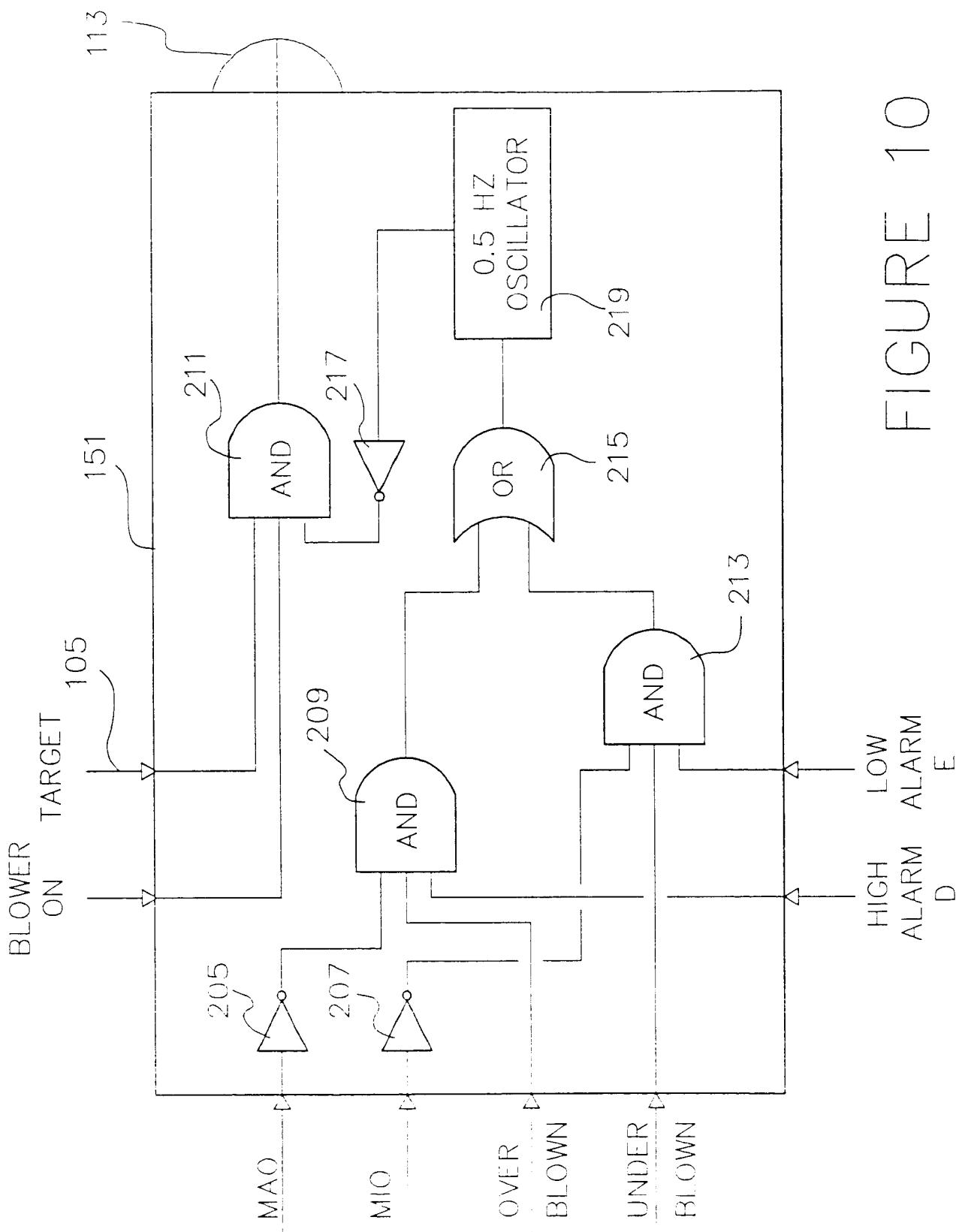


FIGURE 10

155

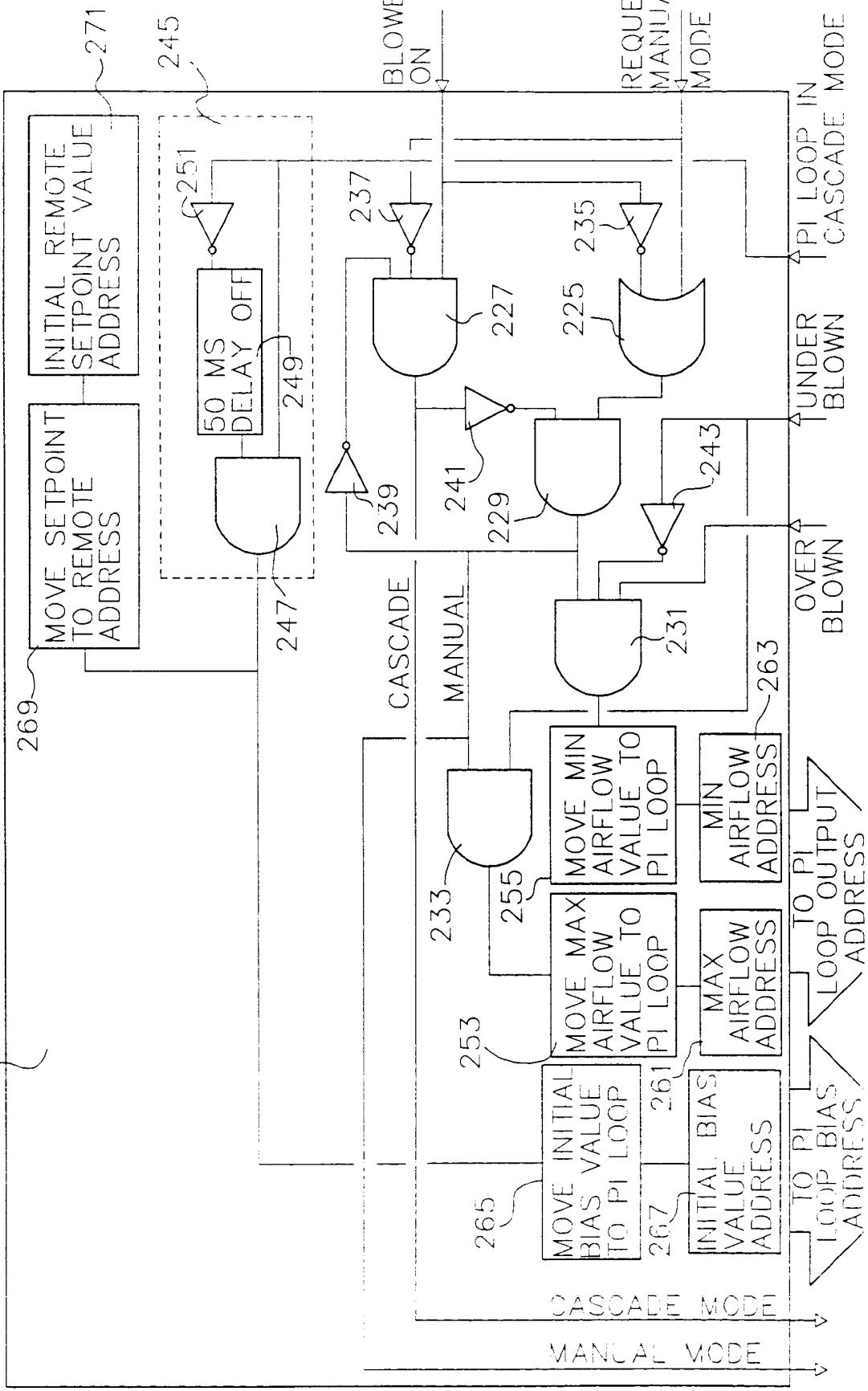


FIGURE 11

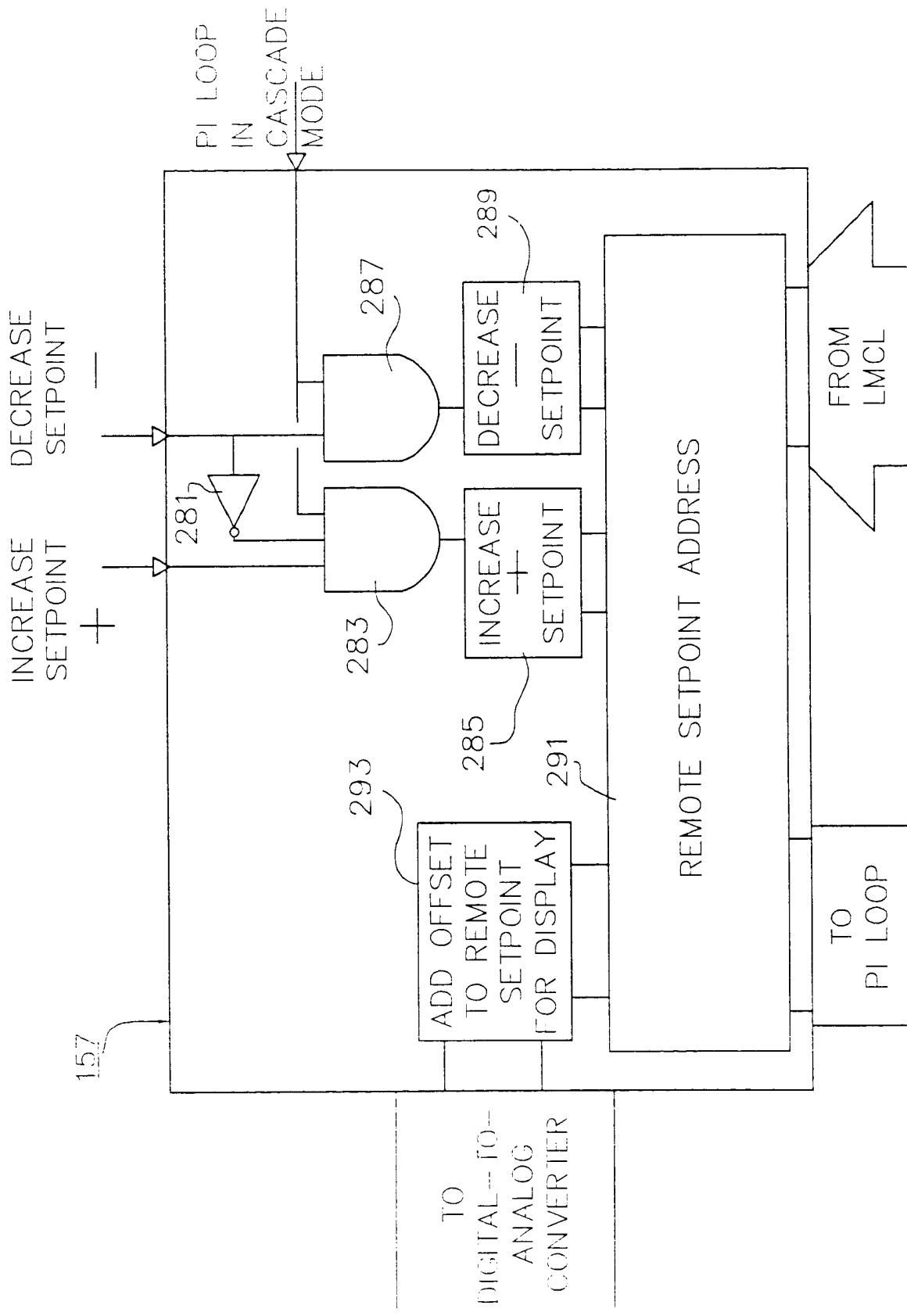
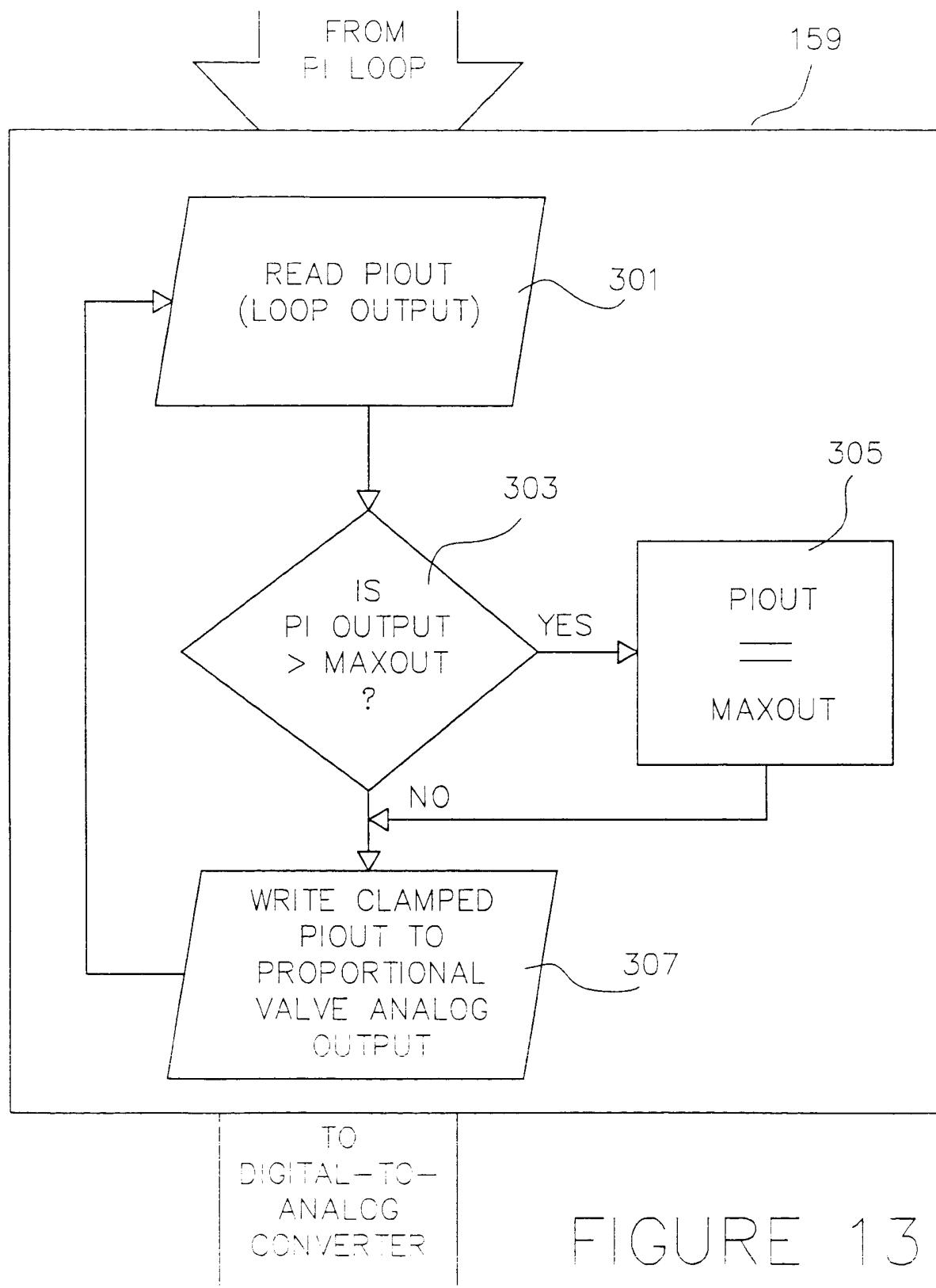
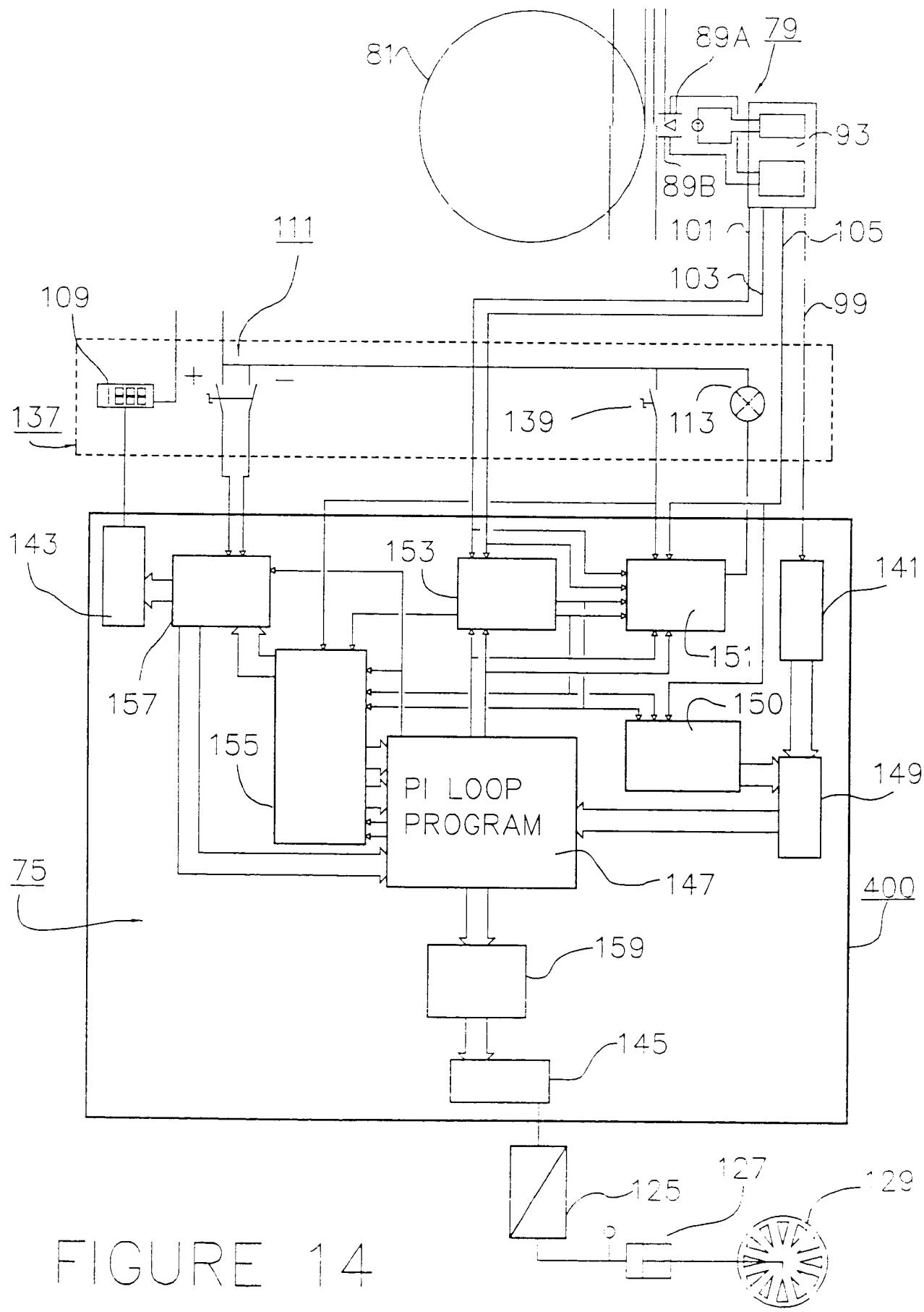


FIGURE 12





## FIGURE 14

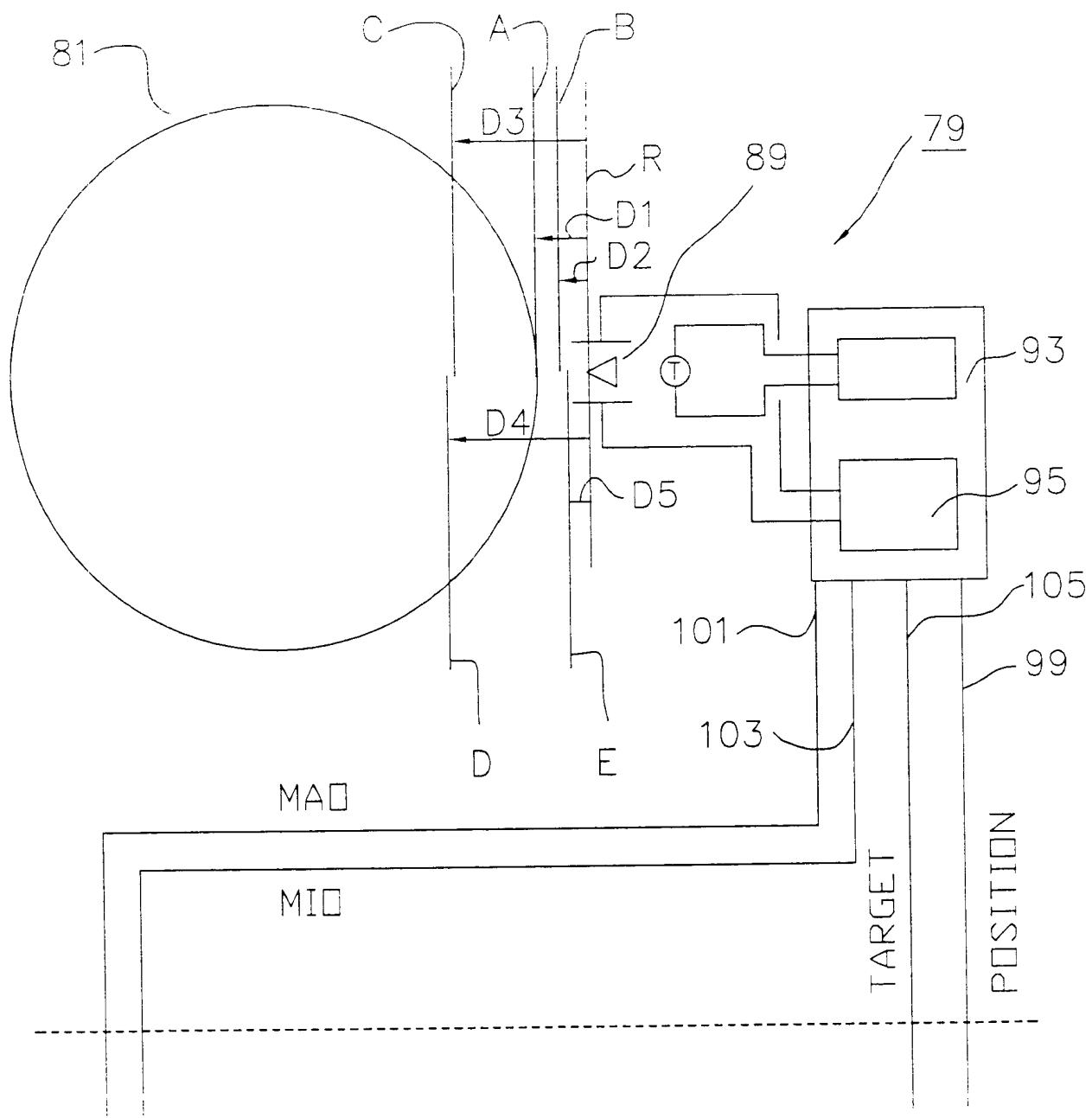


FIGURE 15

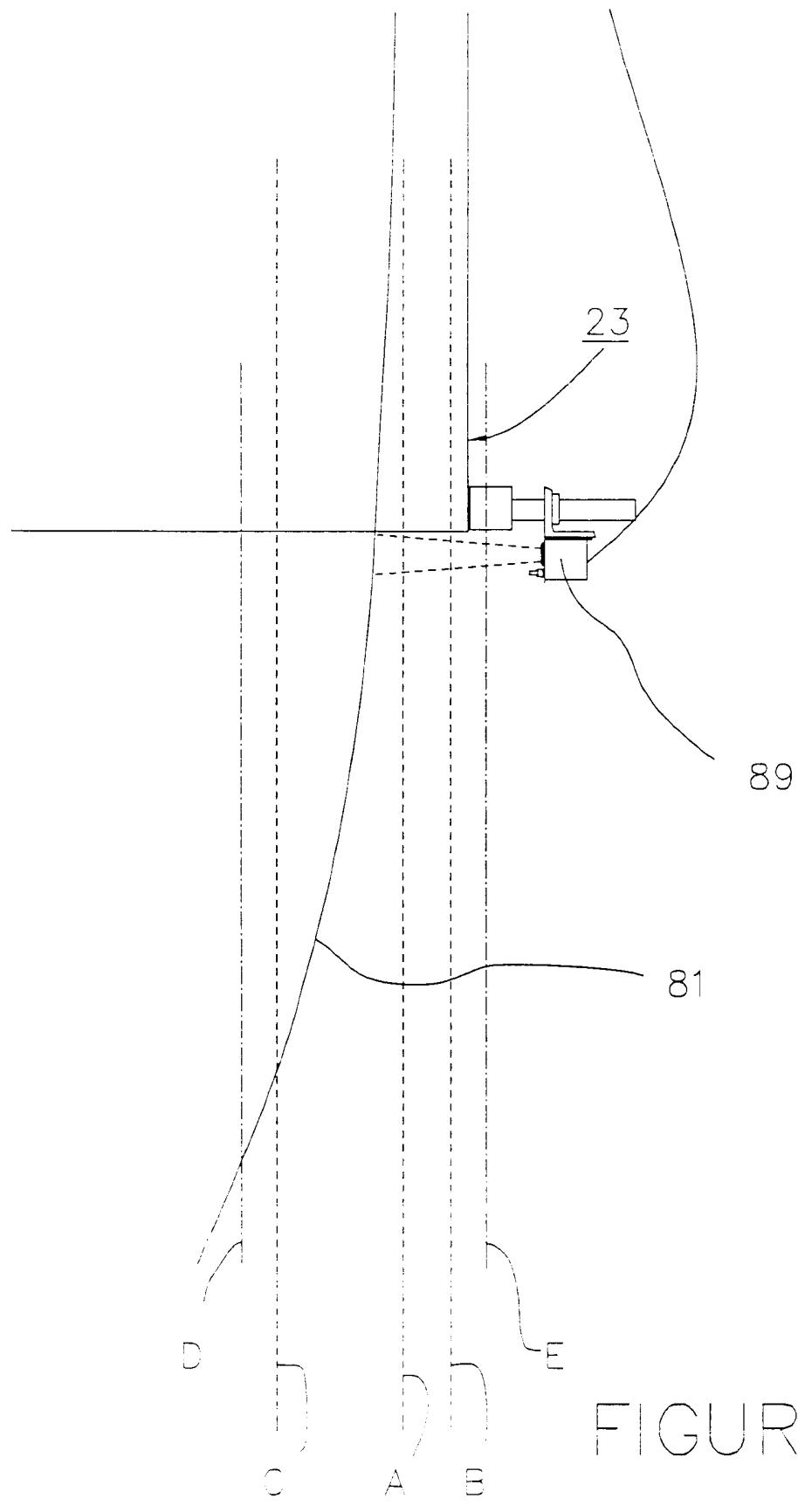


FIGURE 16

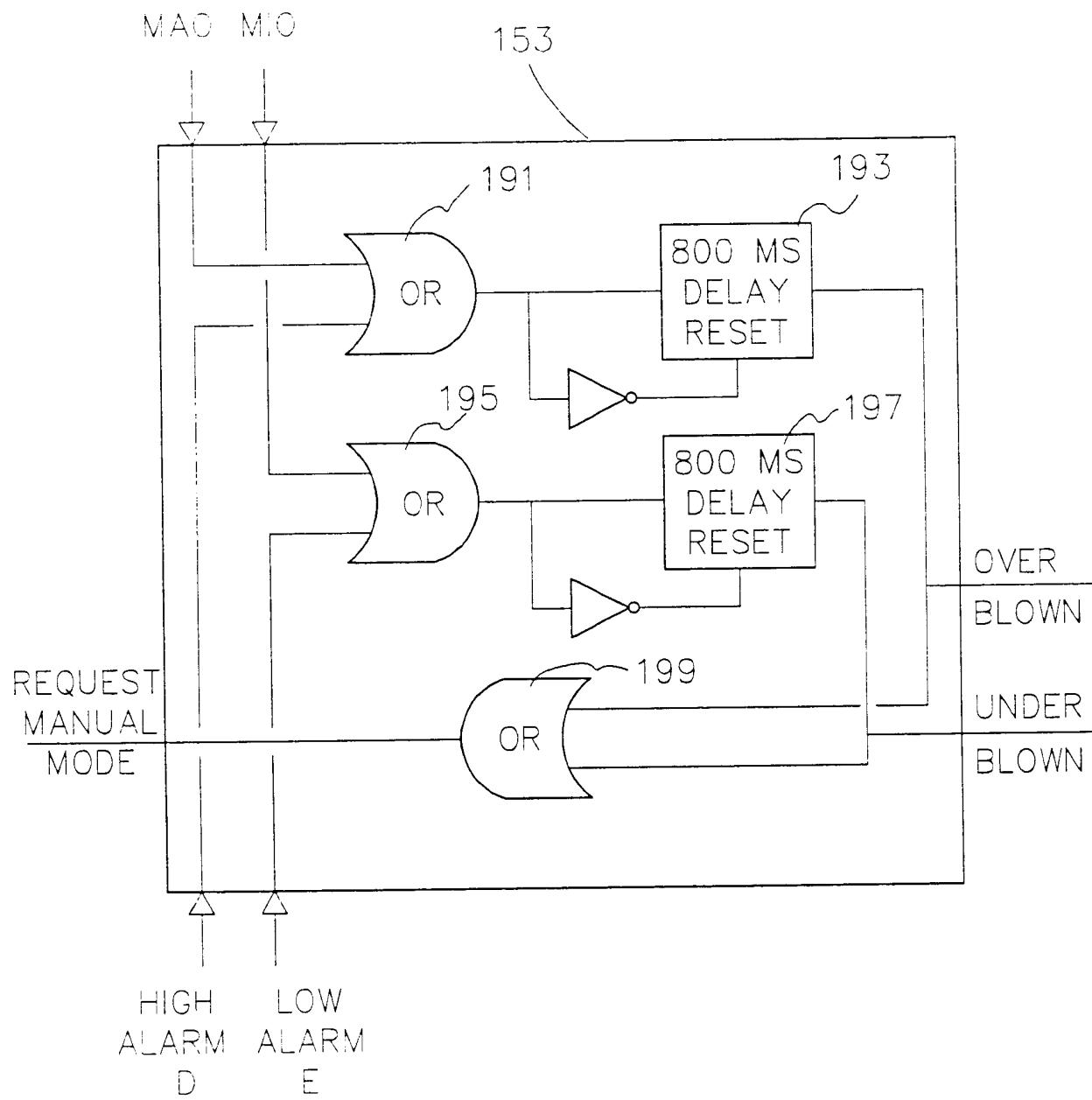


FIGURE 17

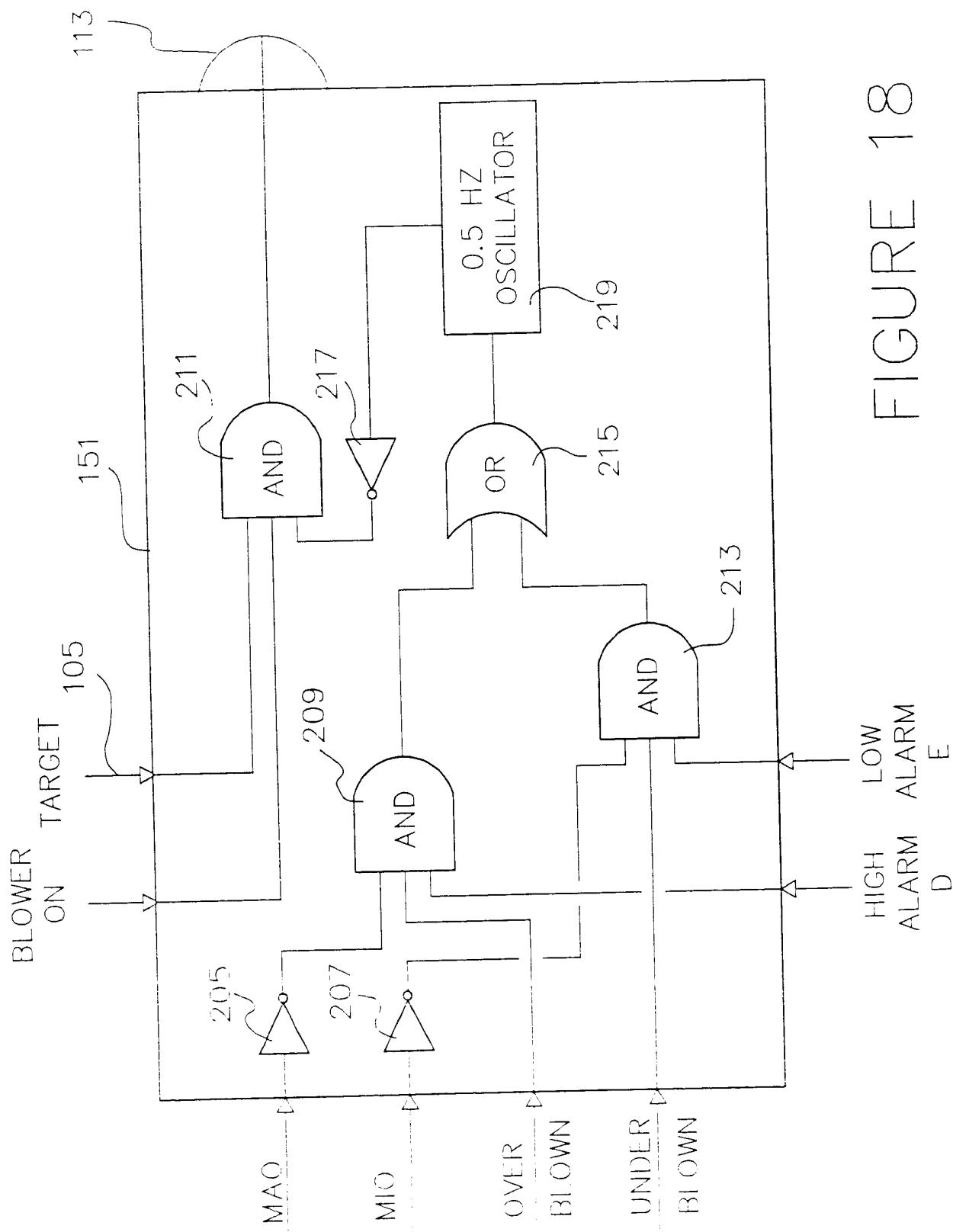


FIGURE 18

155

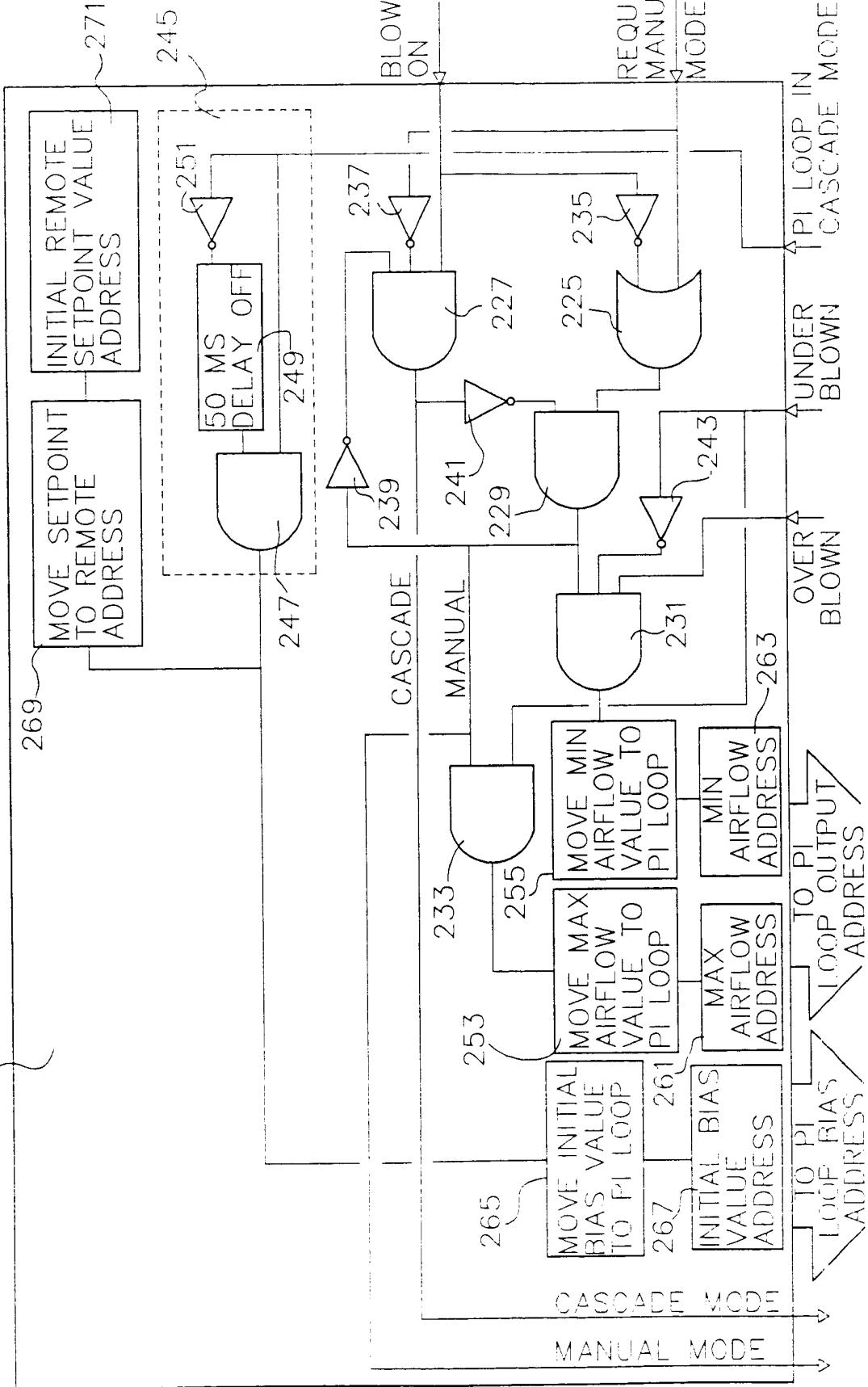


FIGURE 19

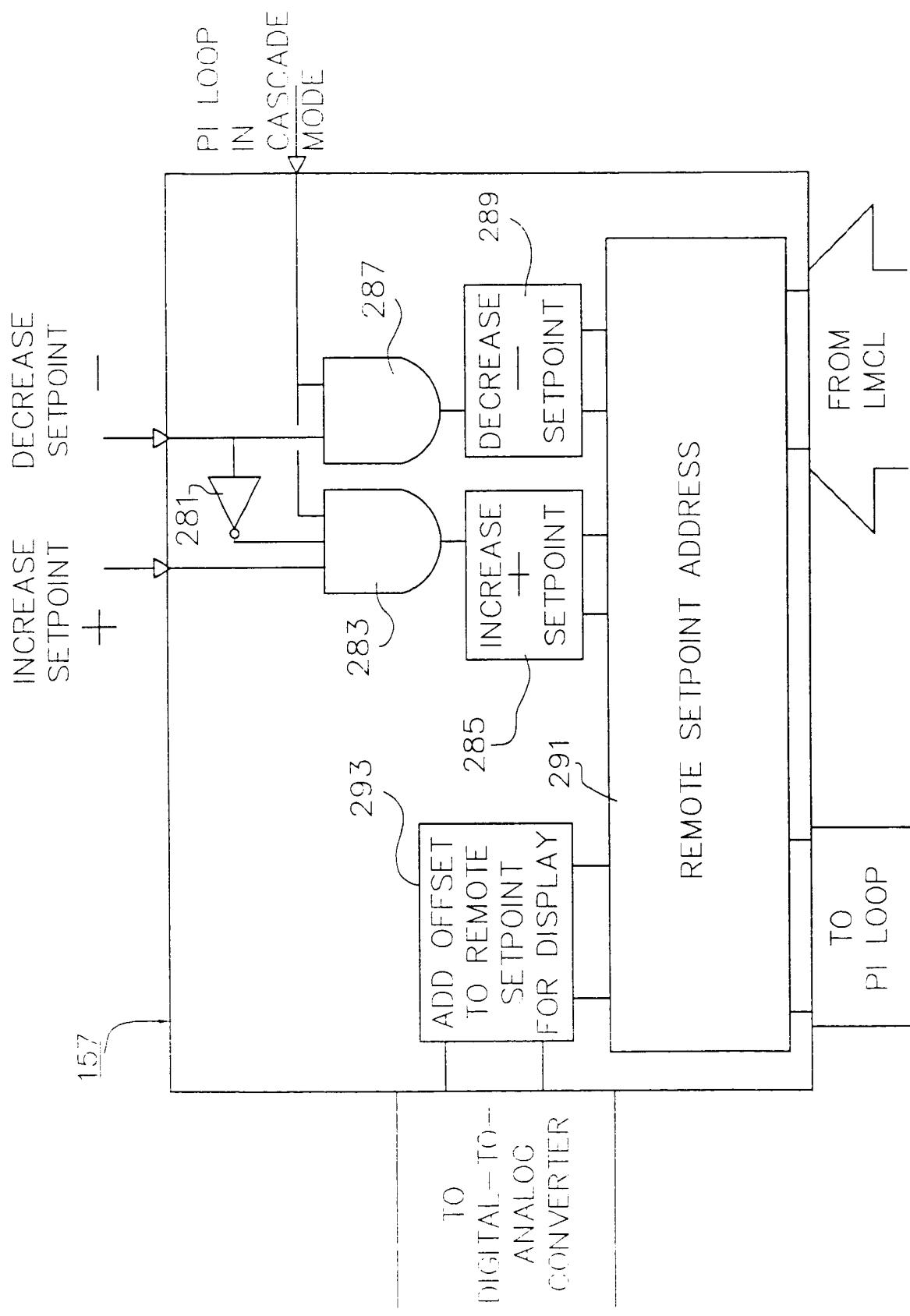


FIGURE 20

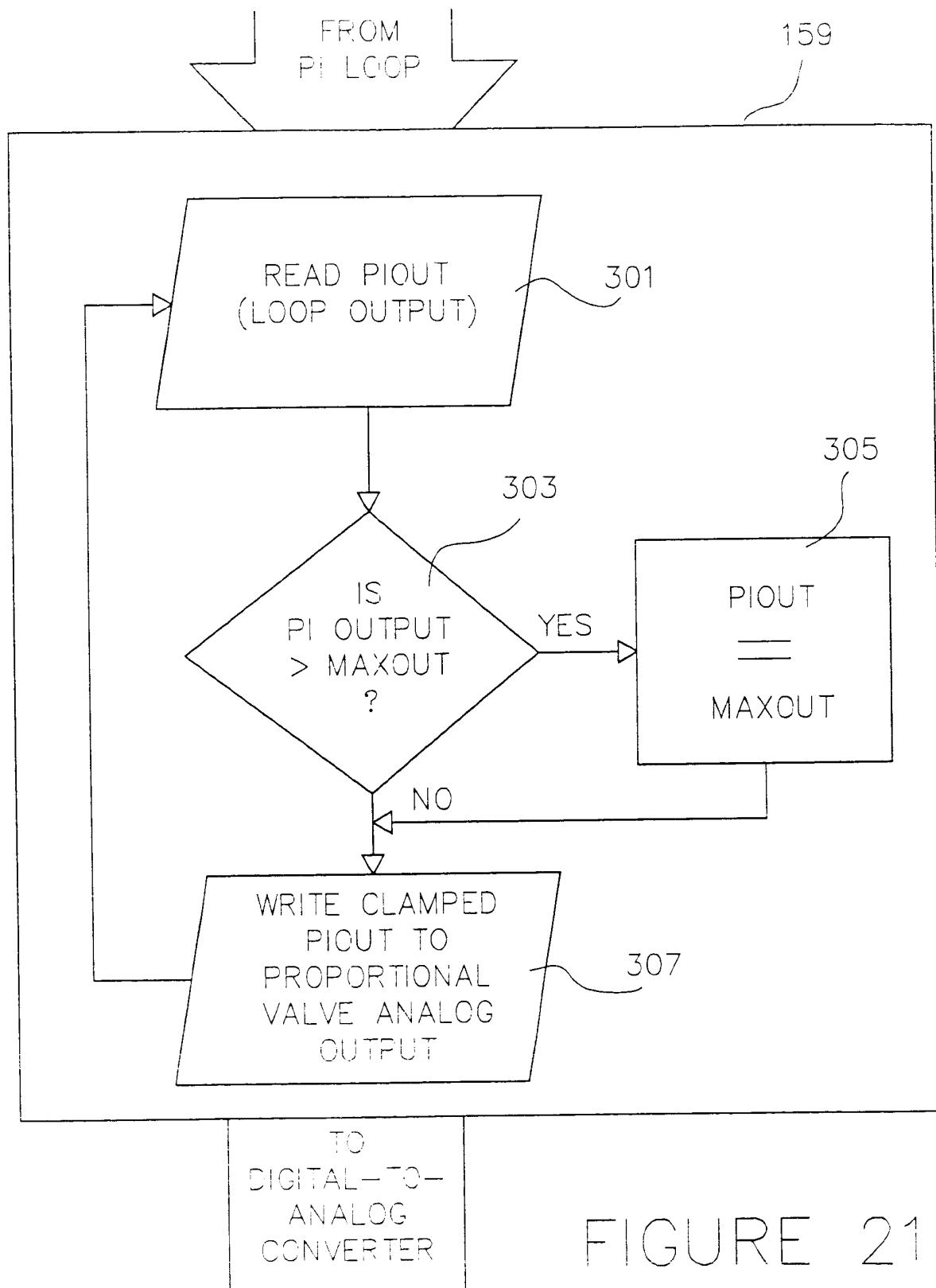


FIGURE 21

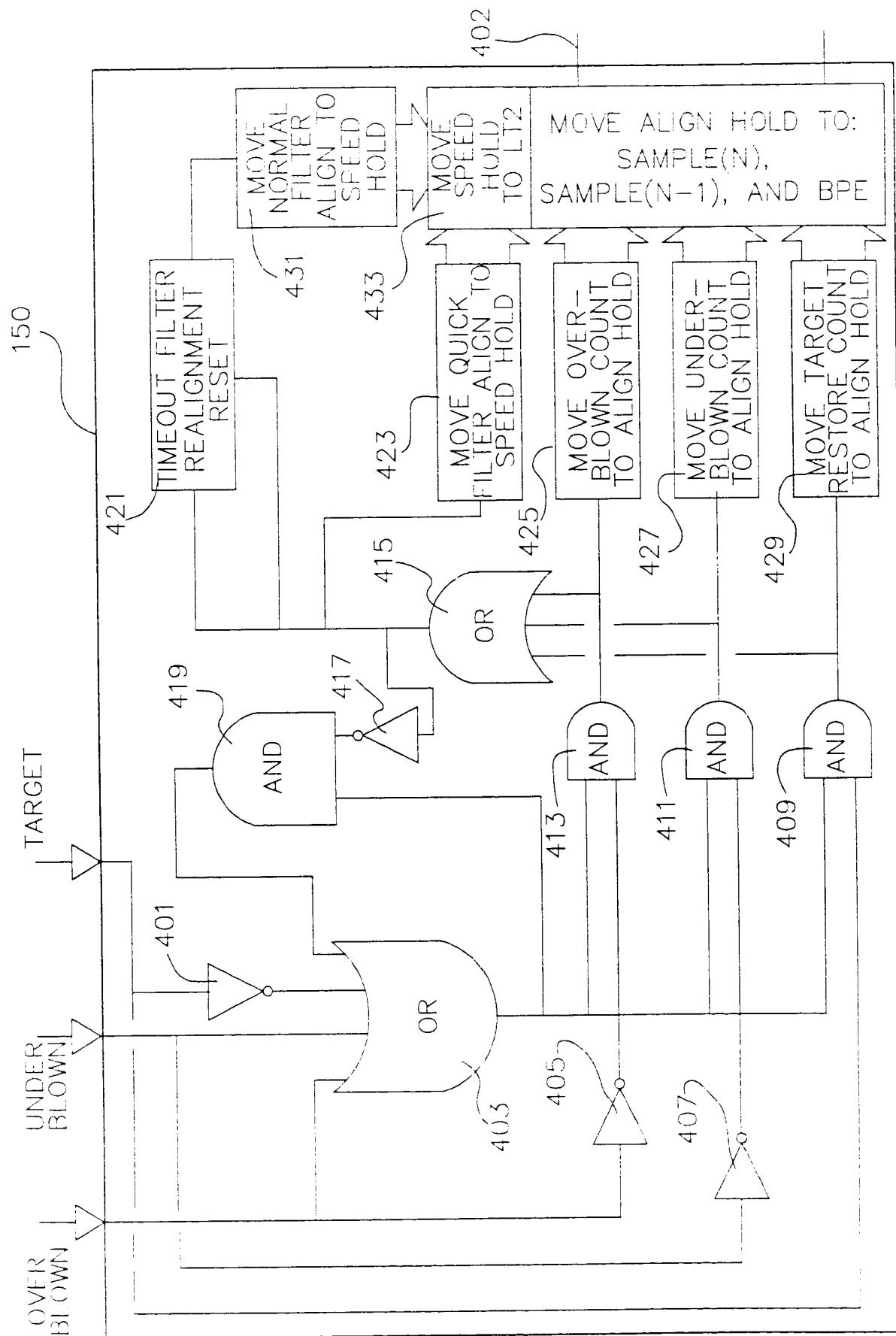
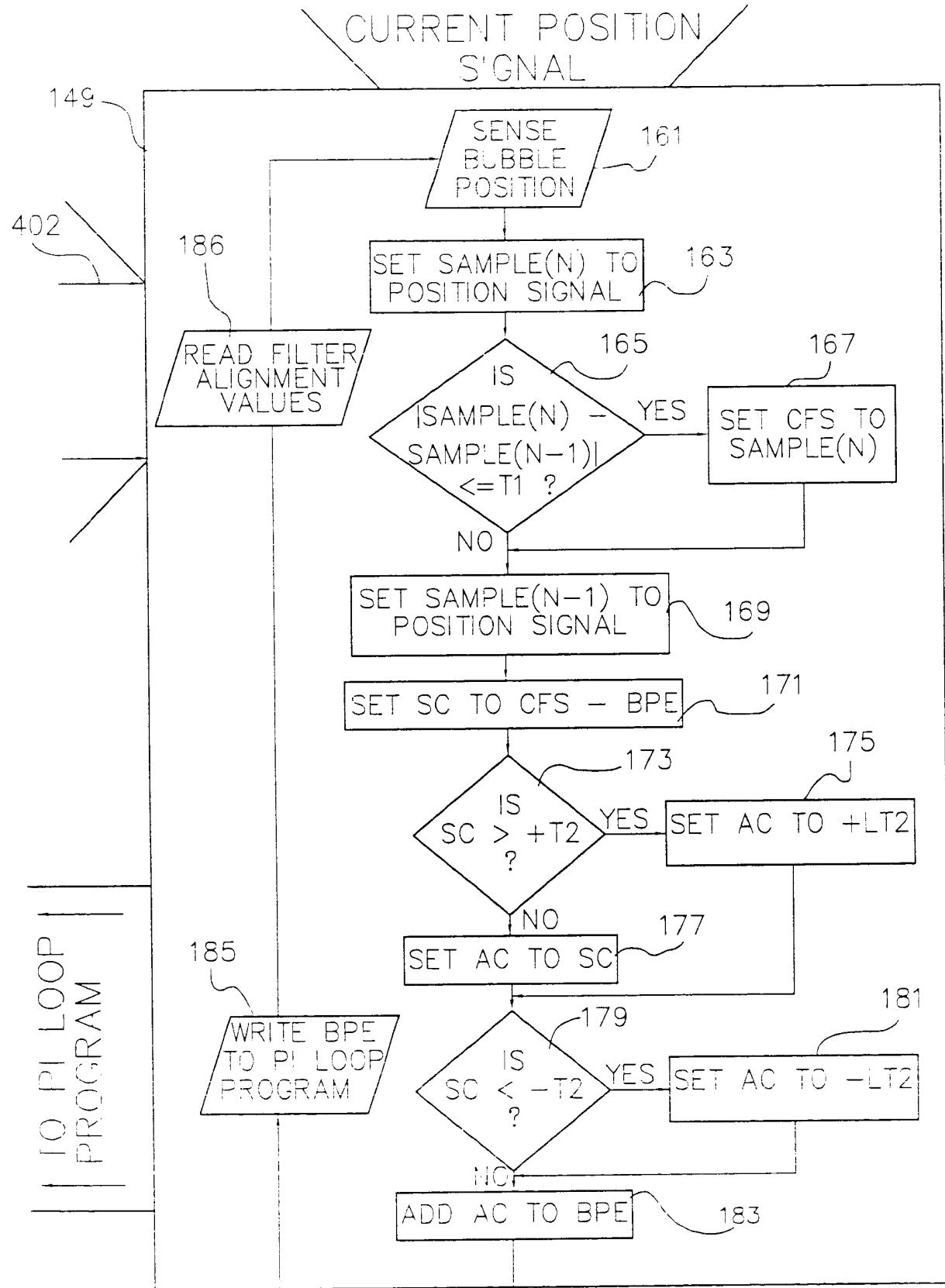


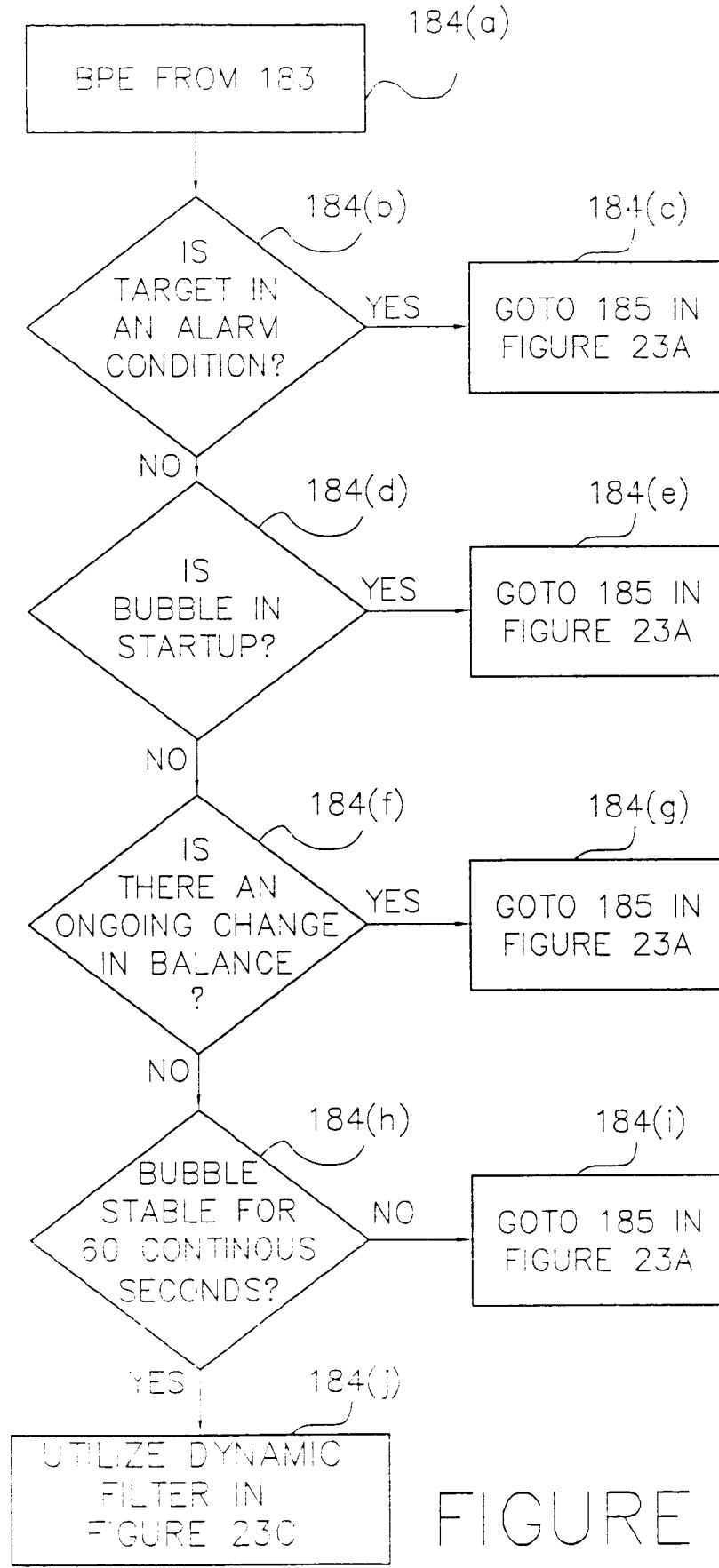
FIGURE 22



FROM FIGURE 23B  
OR FIGURE 23C

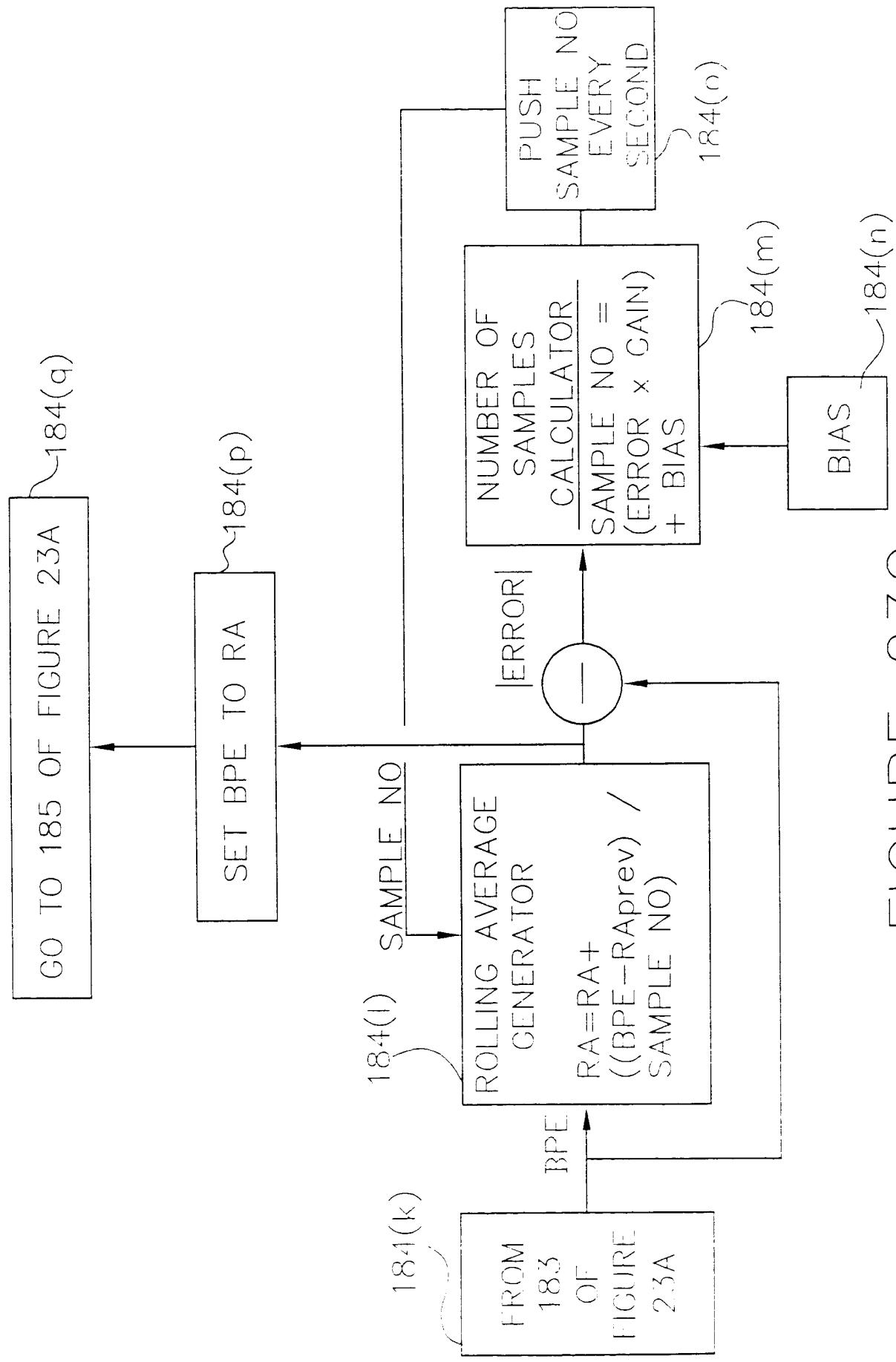
GOTO  
FIGURE 23B

FIGURE 23A



## FIGURE 23B

FIGURE 23C



VARIOUS IBC SIGNALS  
WITHOUT DYNAMIC FILTER

184(s)

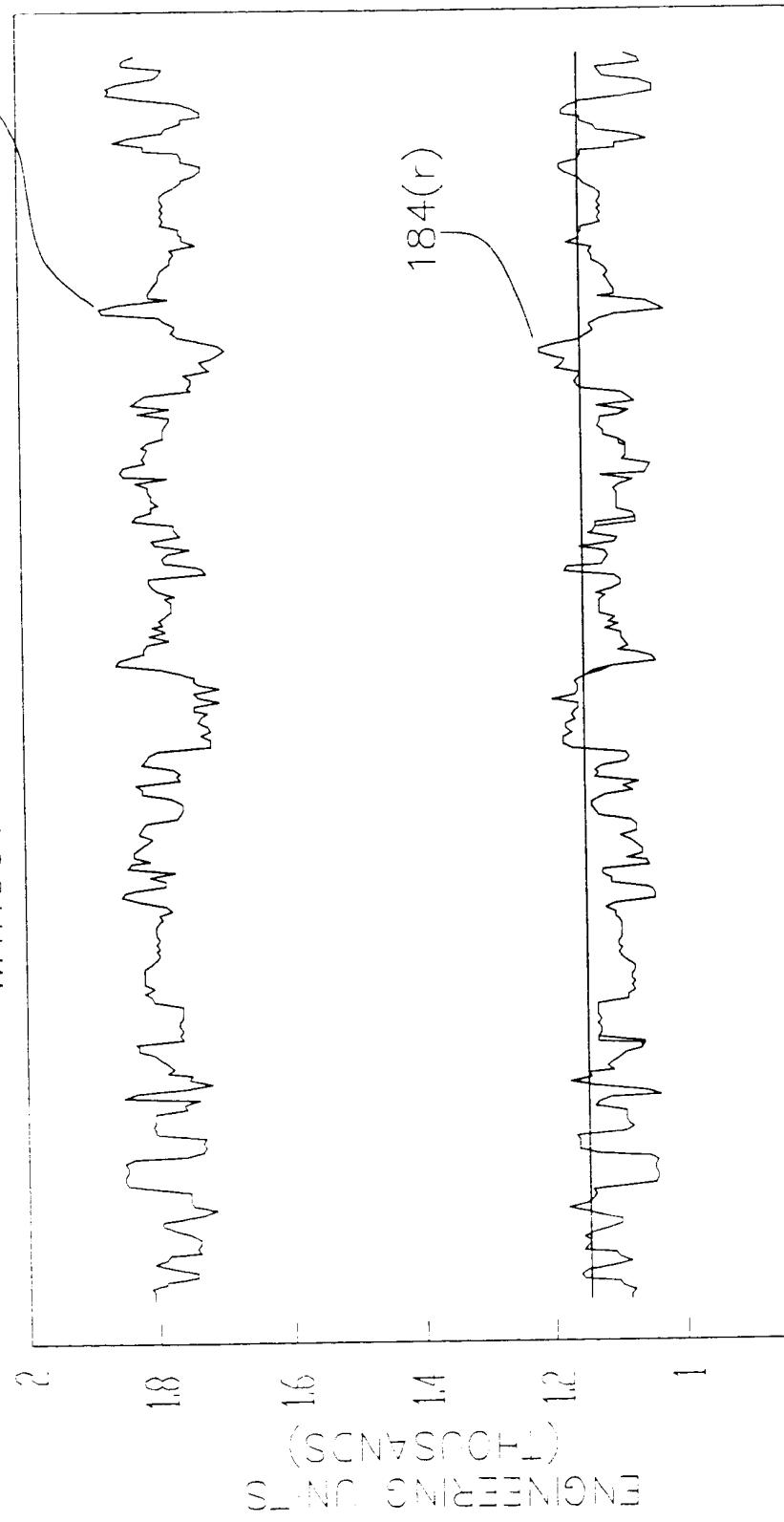


FIGURE 23D

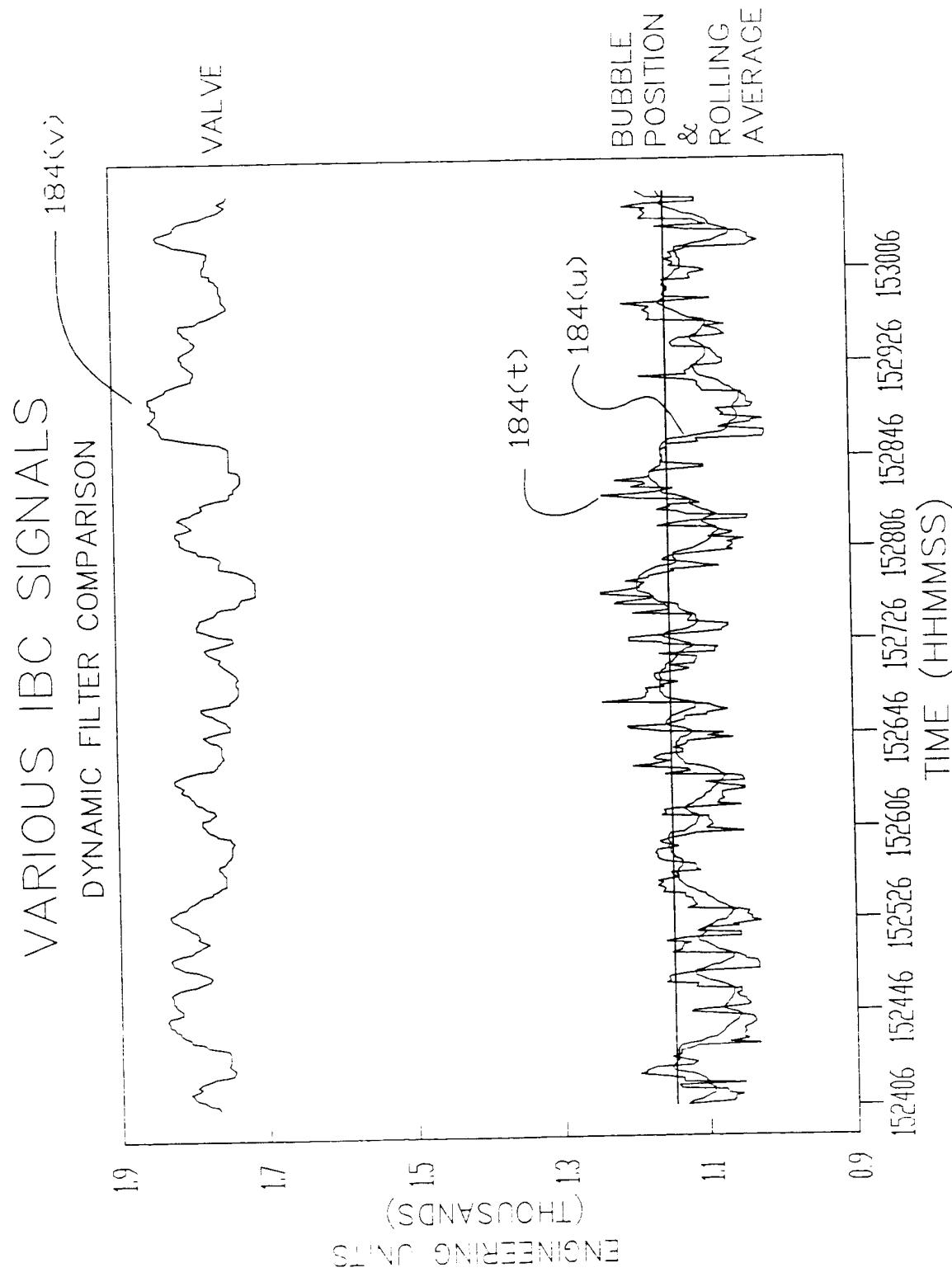


FIGURE 23E

FREQUENCY DISTRIBUTION COMPARISON  
DYNAMIC FILTER VS. BPE

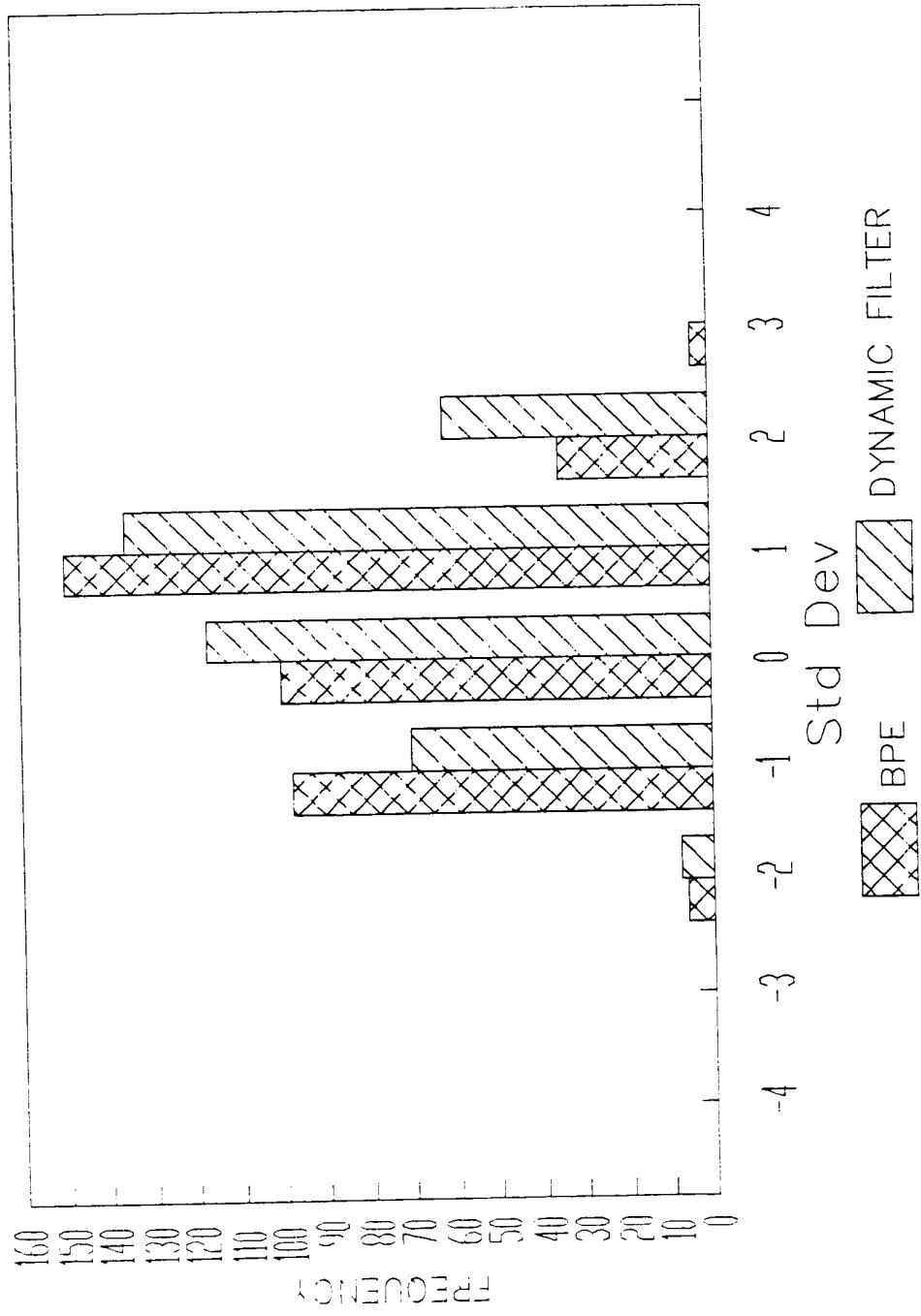


FIGURE 23F

VARIOUS IBC SIGNALS  
START-UP WITH DYNAMIC FILTER

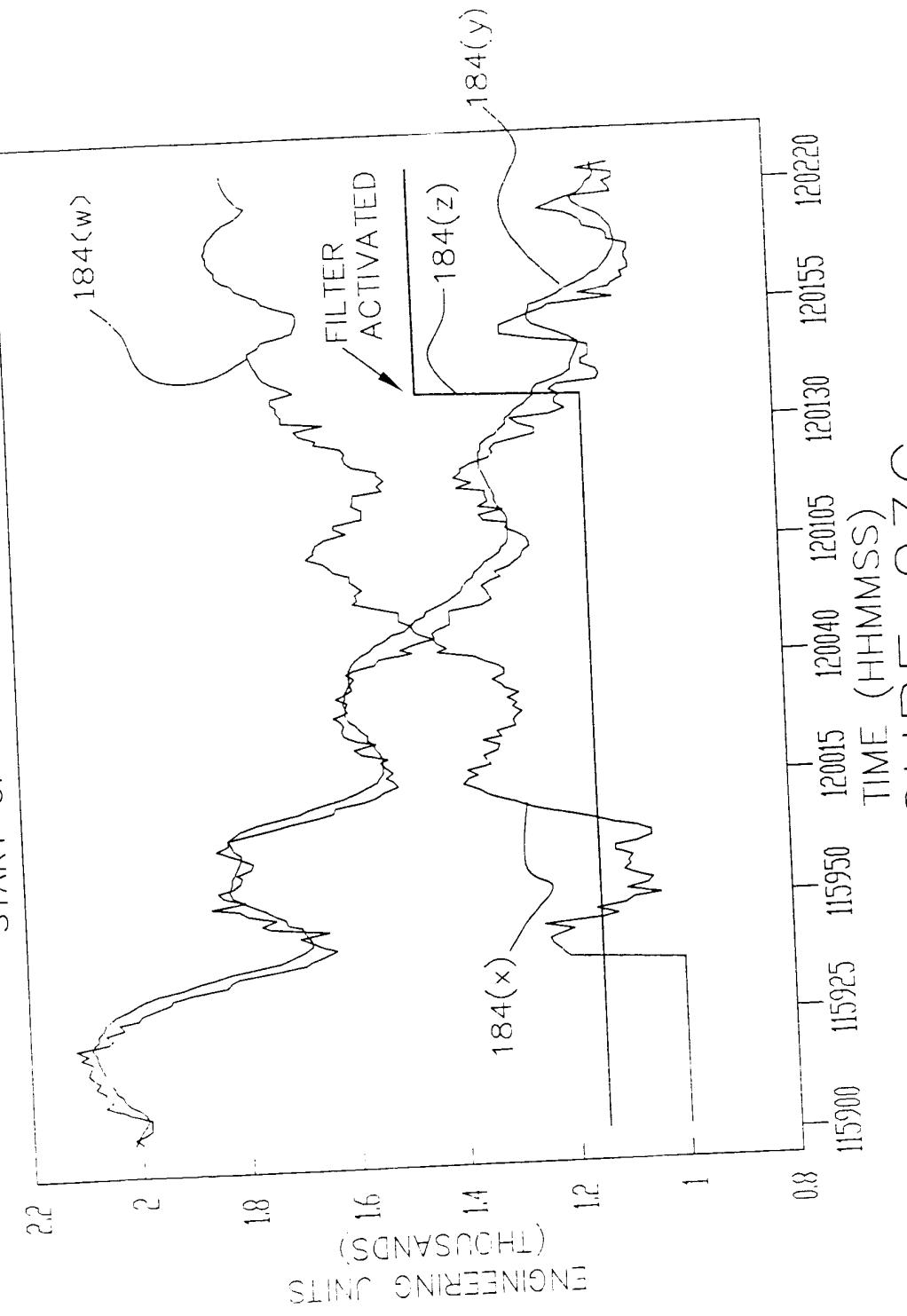


FIGURE 23G

IS-IBC1 FILTER SIMULATION  
INPUT = RAMPING LINE WITH RANDOM NOISE

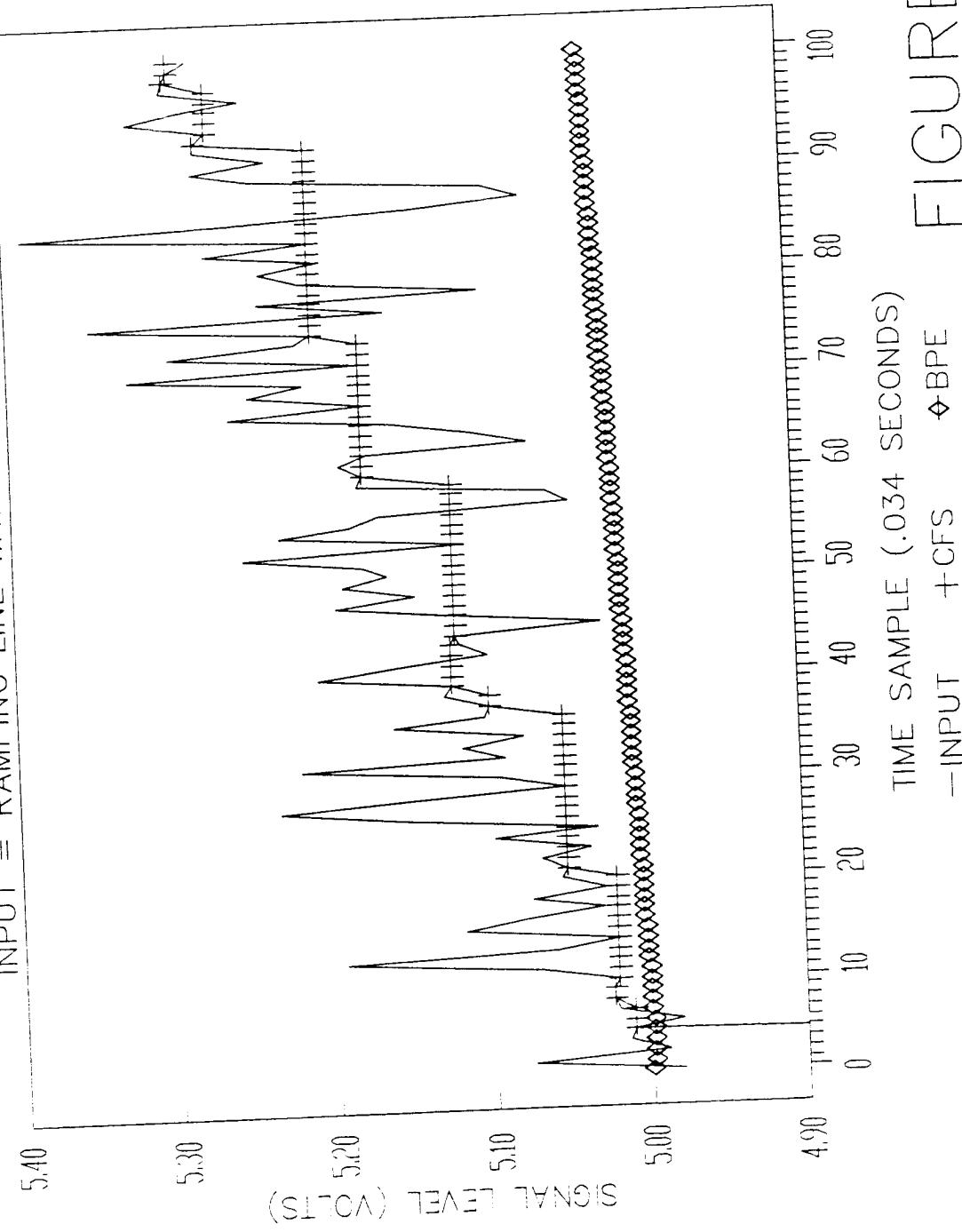
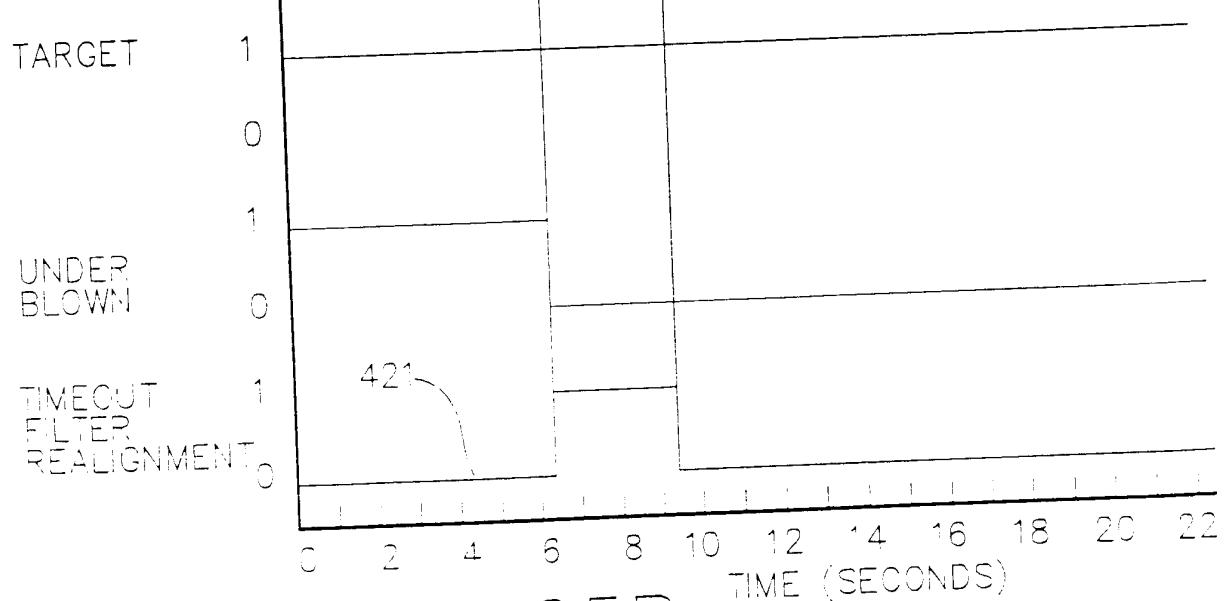
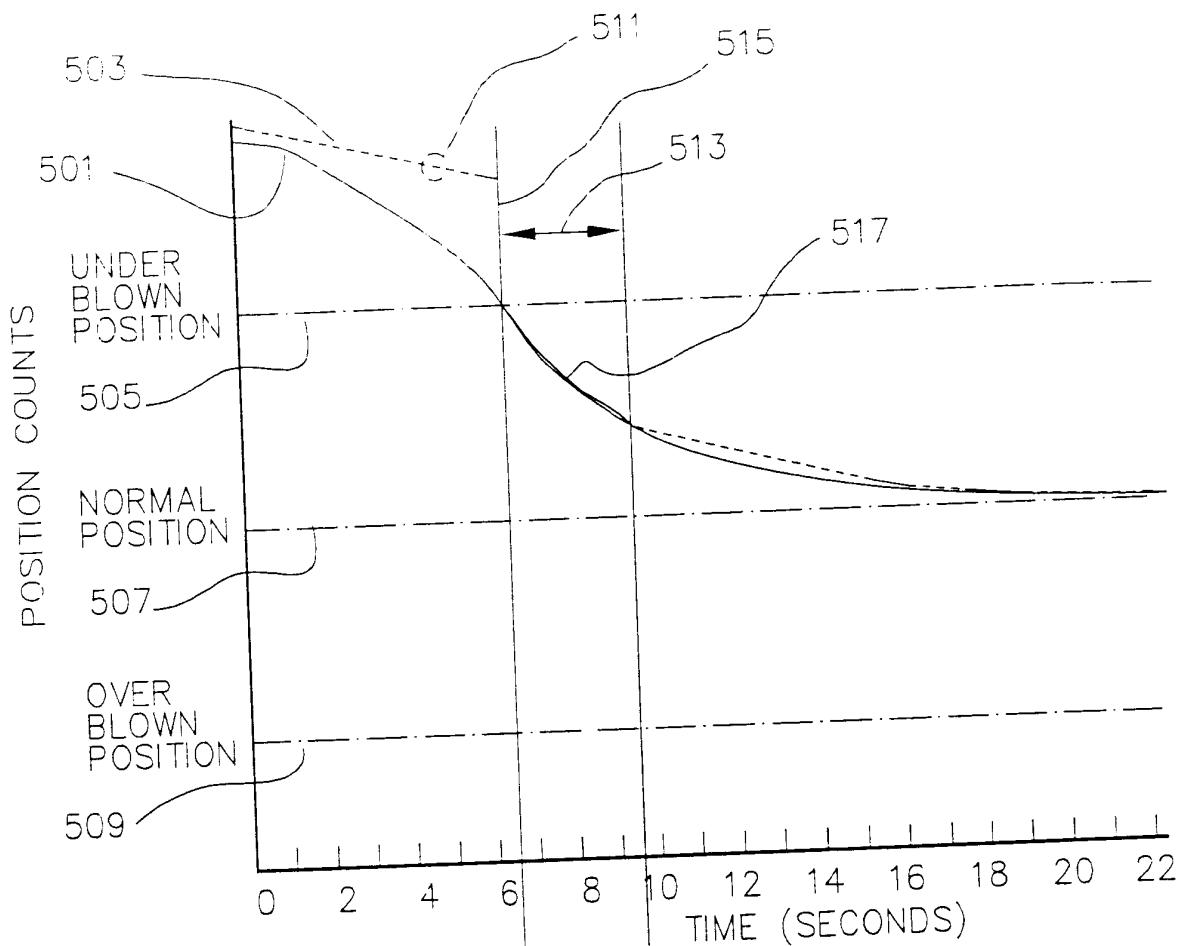


FIGURE 24

# FIGURE 25A



# FIGURE 25B

FIGURE 26A

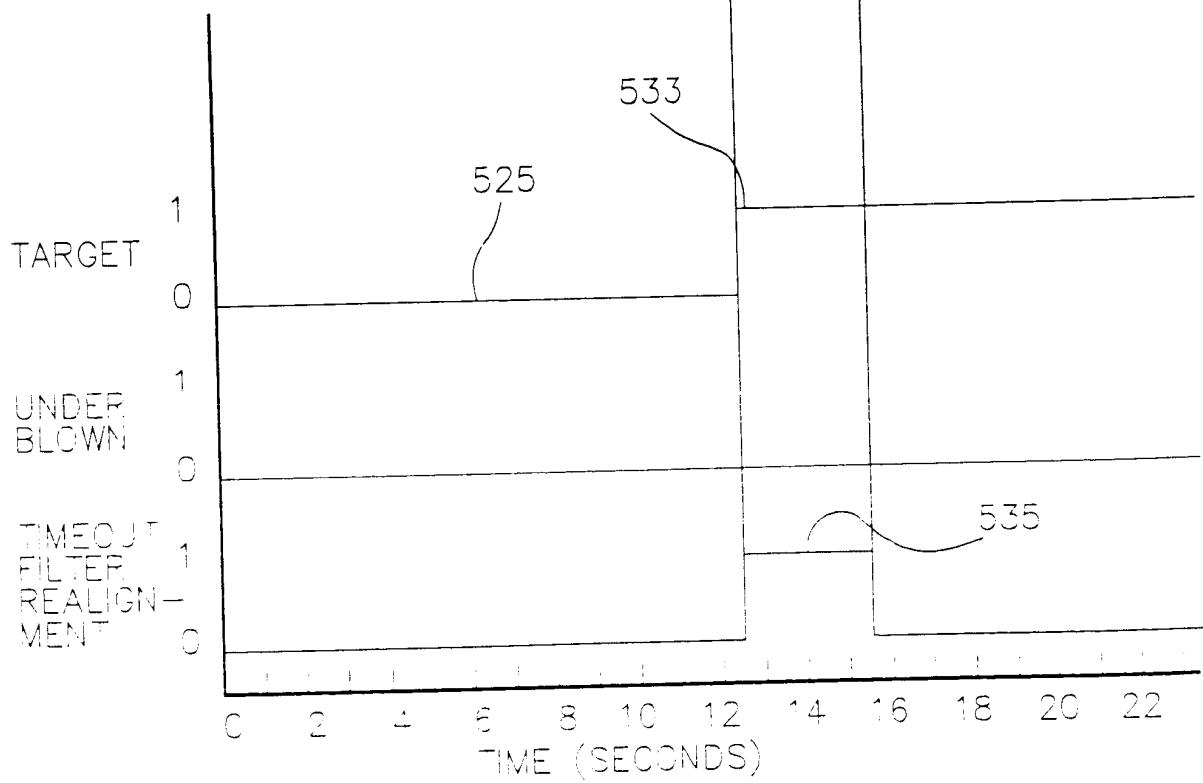
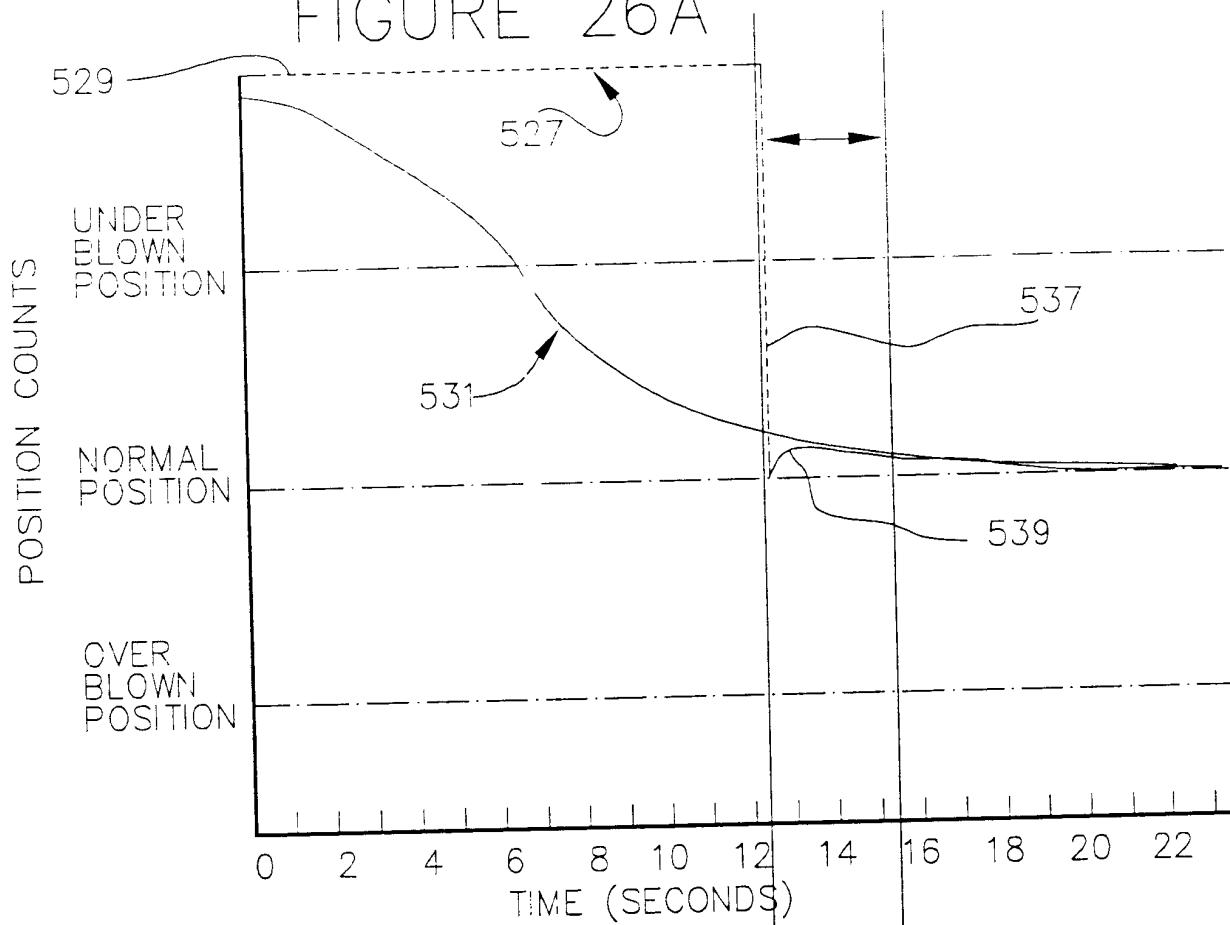


FIGURE 26B

FIGURE 27A

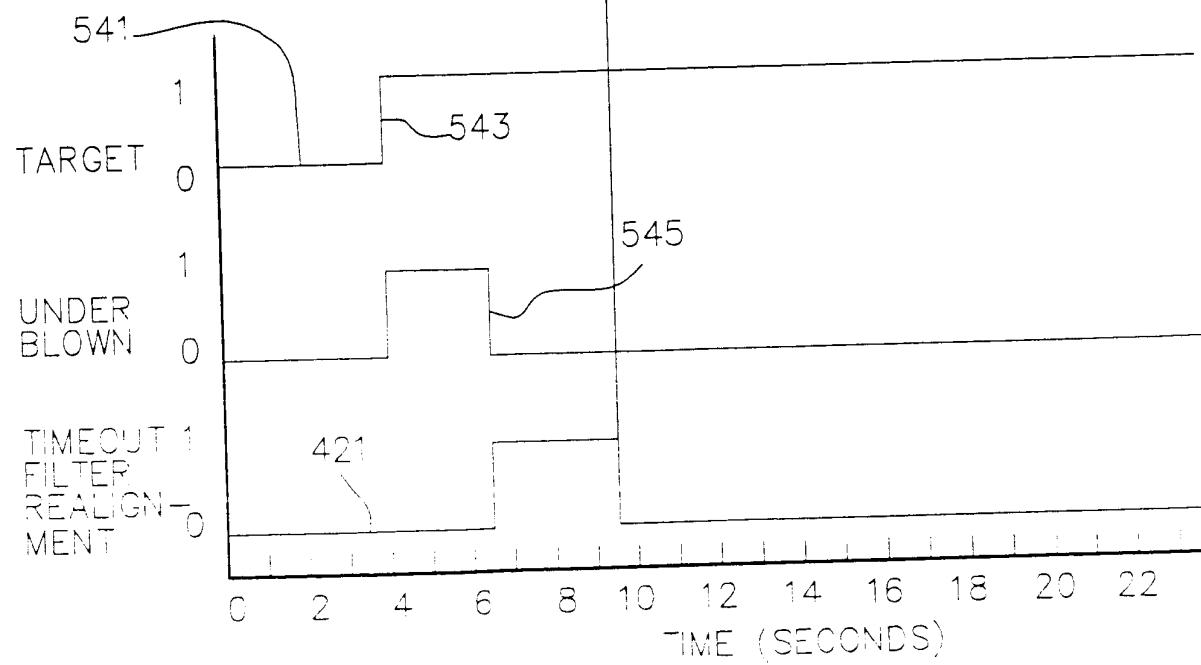
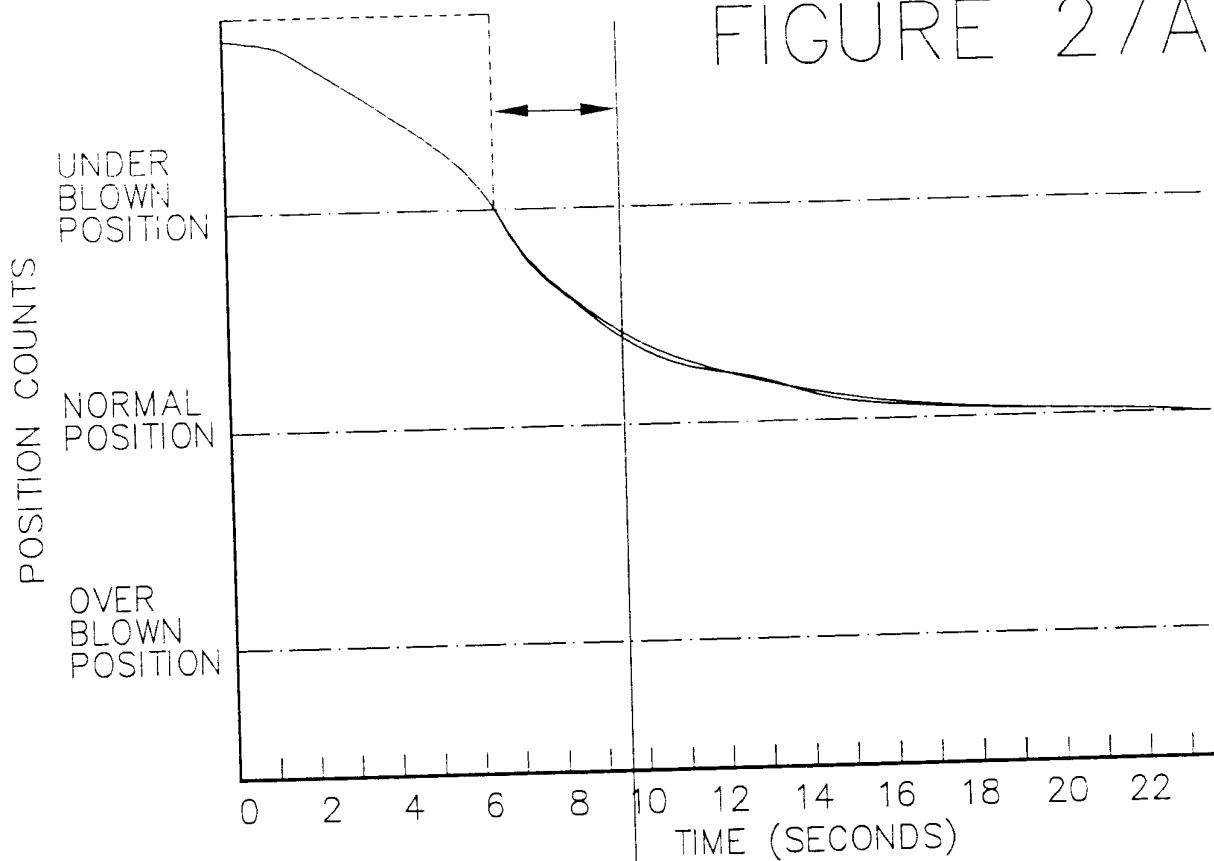
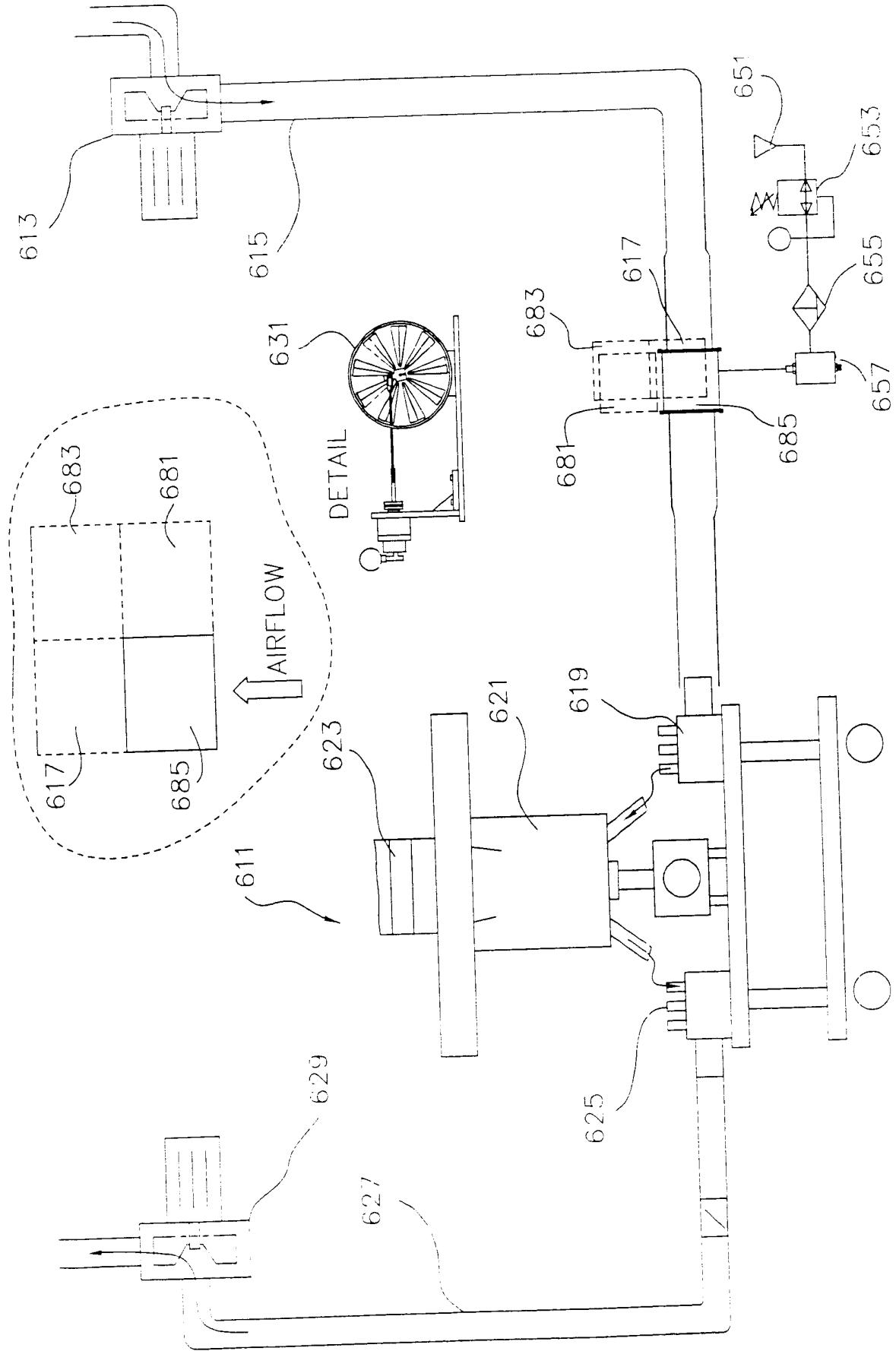
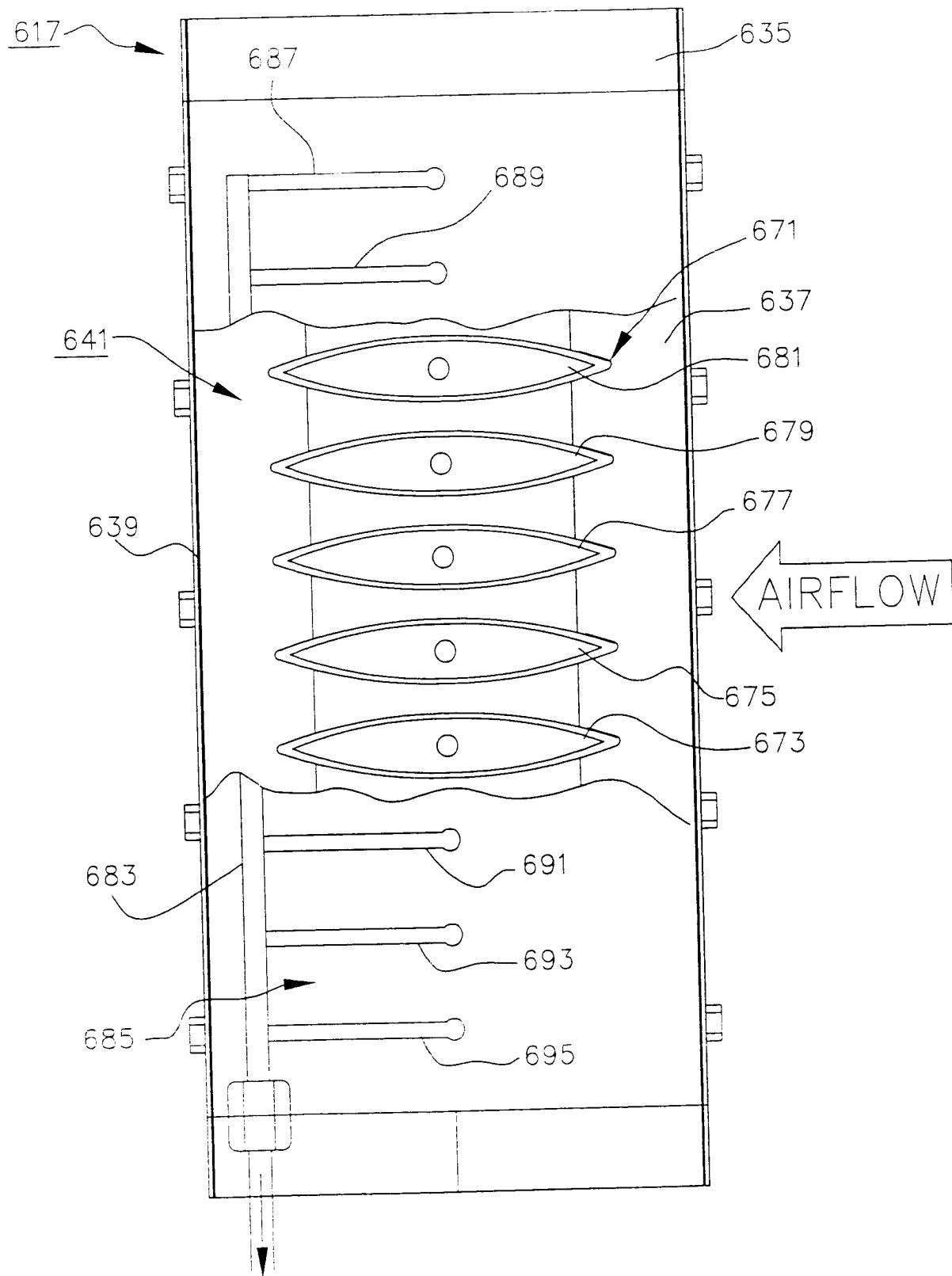


FIGURE 27B





TO 657

FIGURE 29

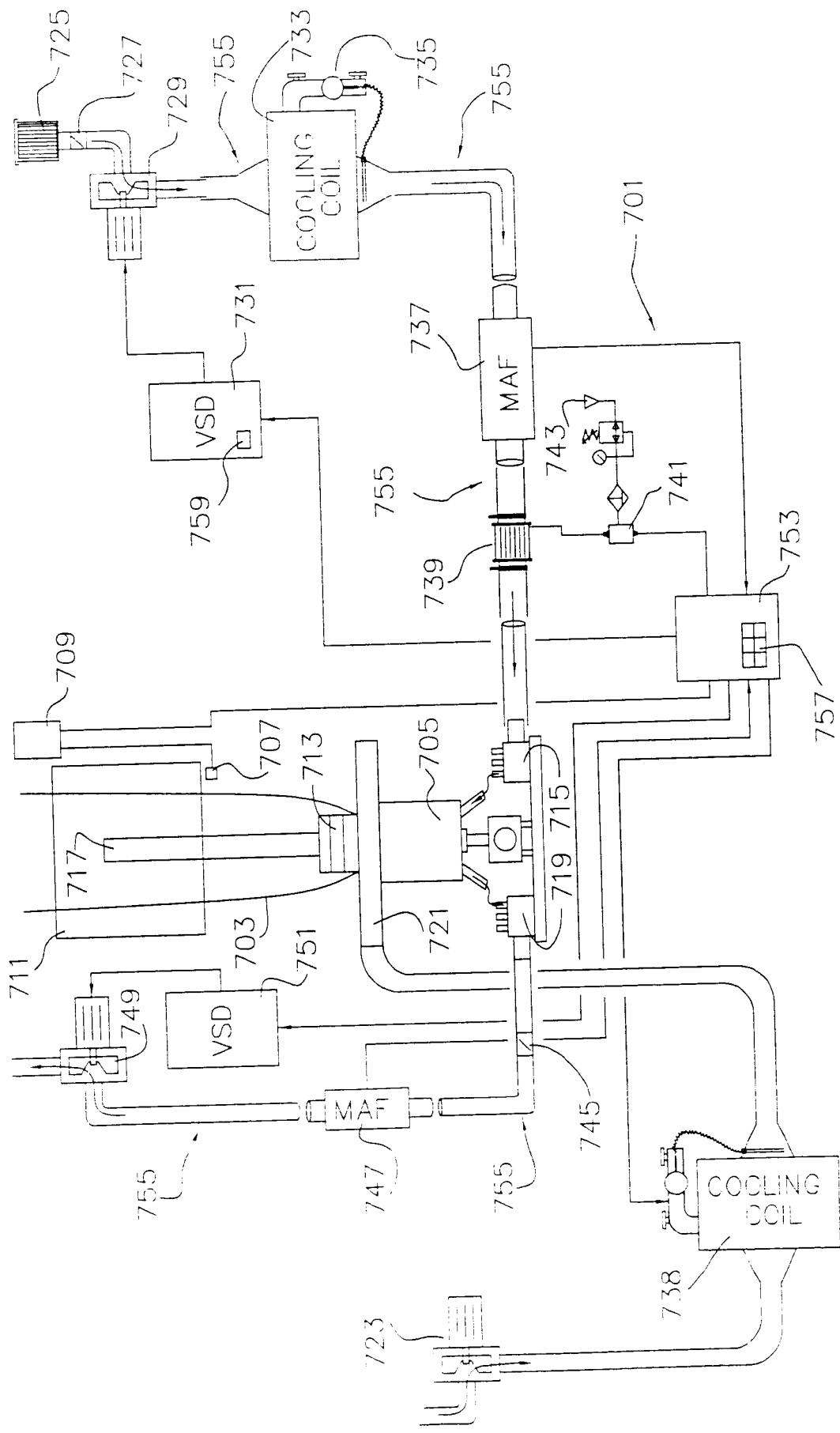


FIGURE 30

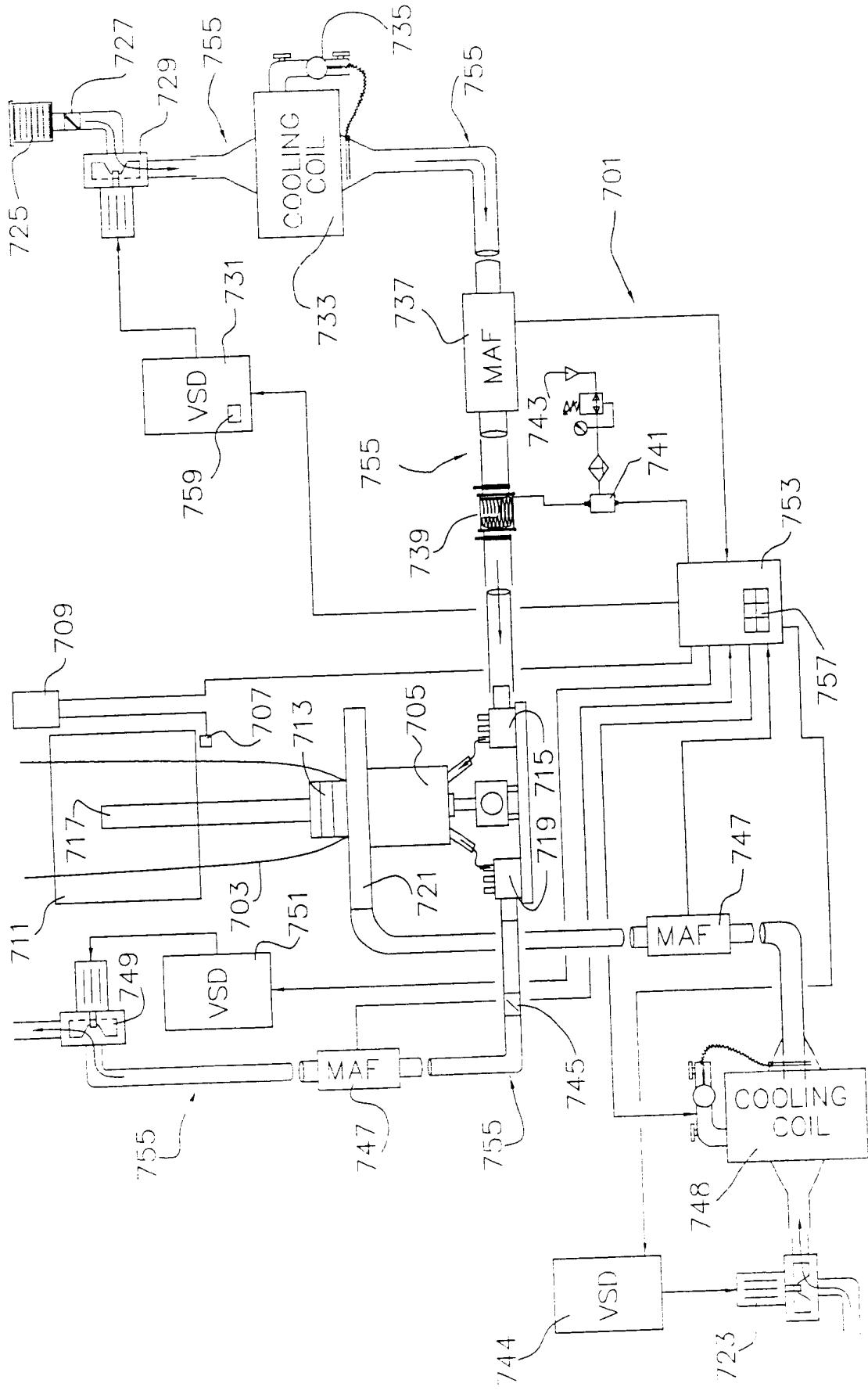


FIGURE 31

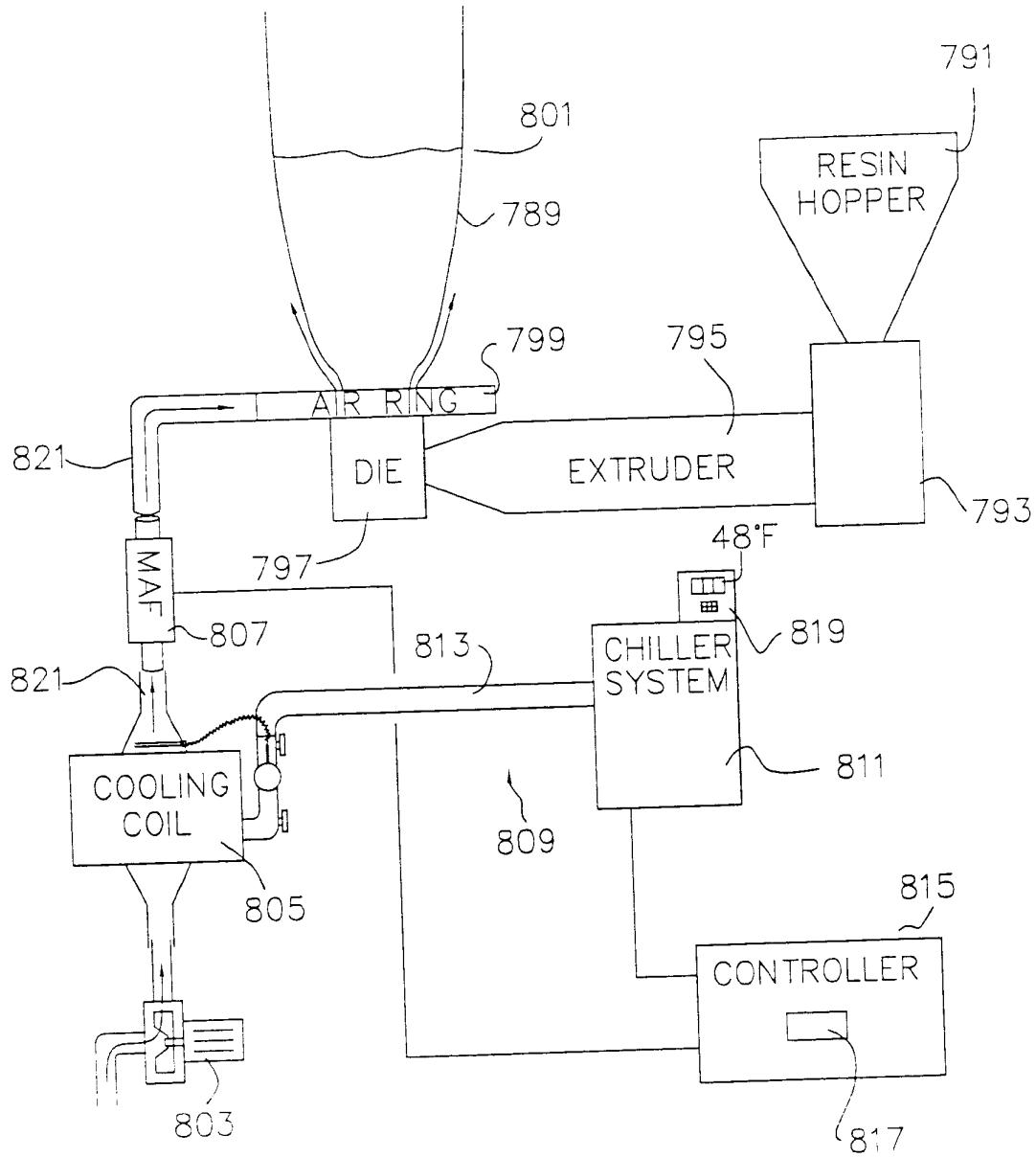


FIGURE 32

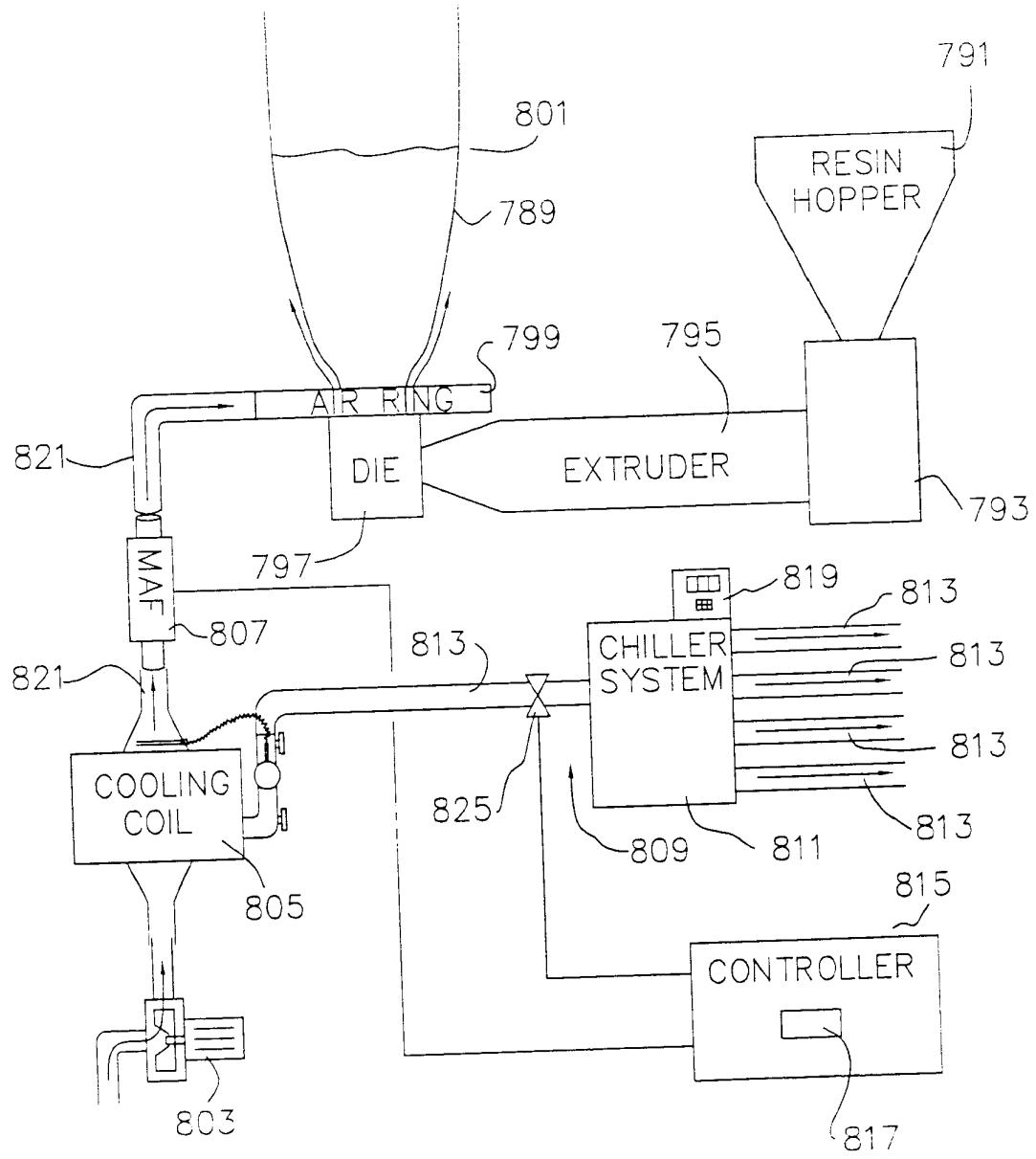


FIGURE 33

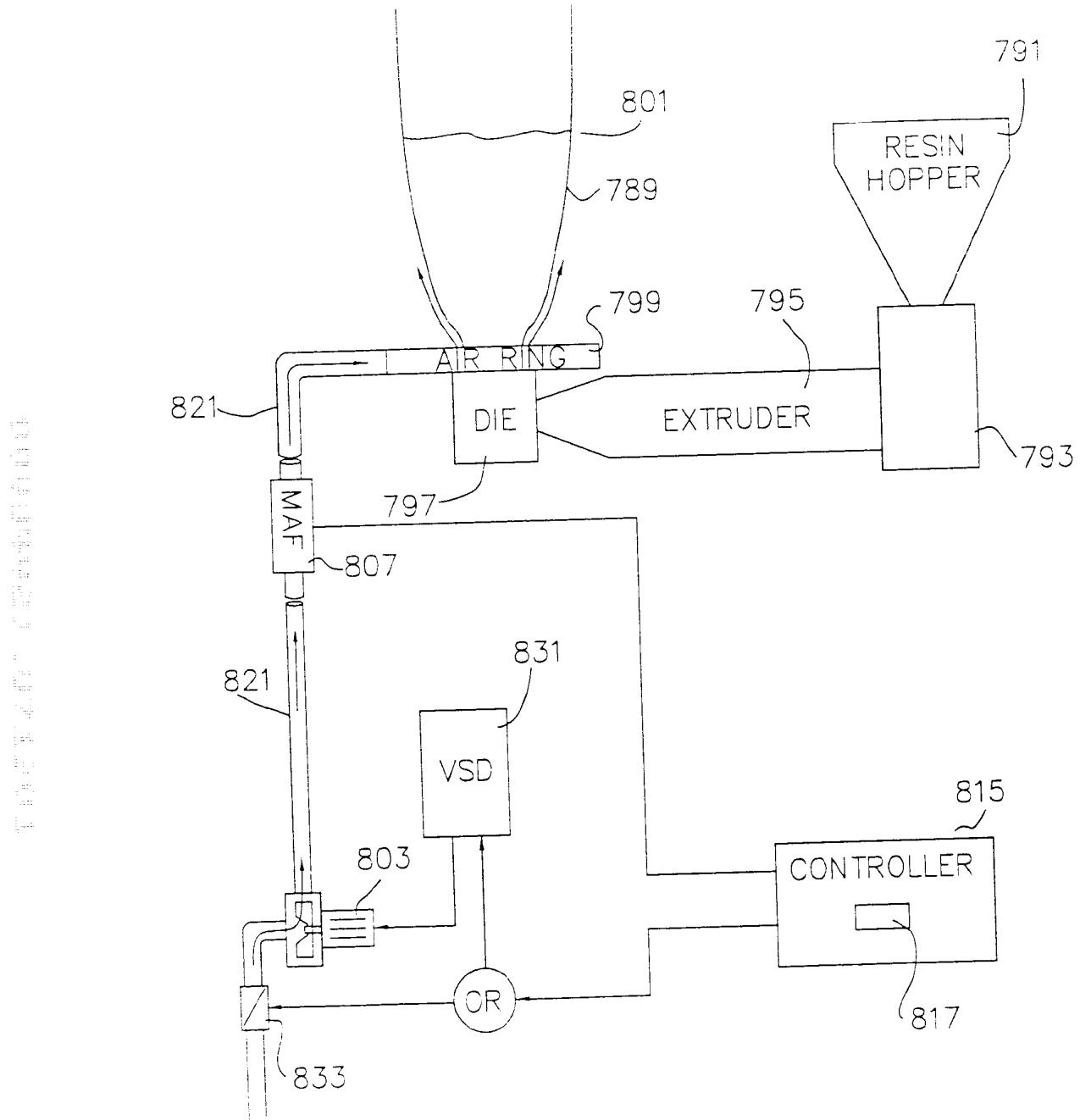


FIGURE 34

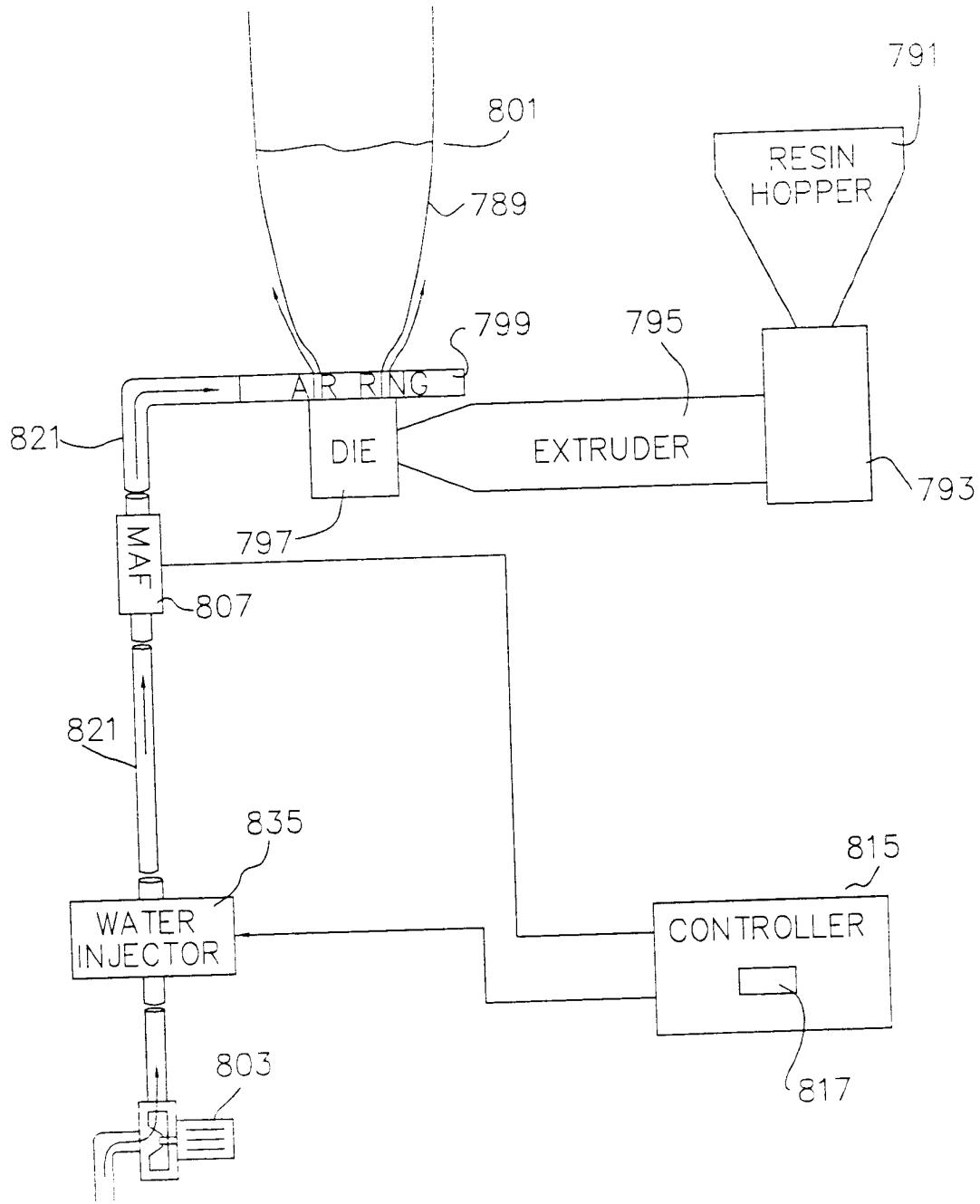


FIGURE 35

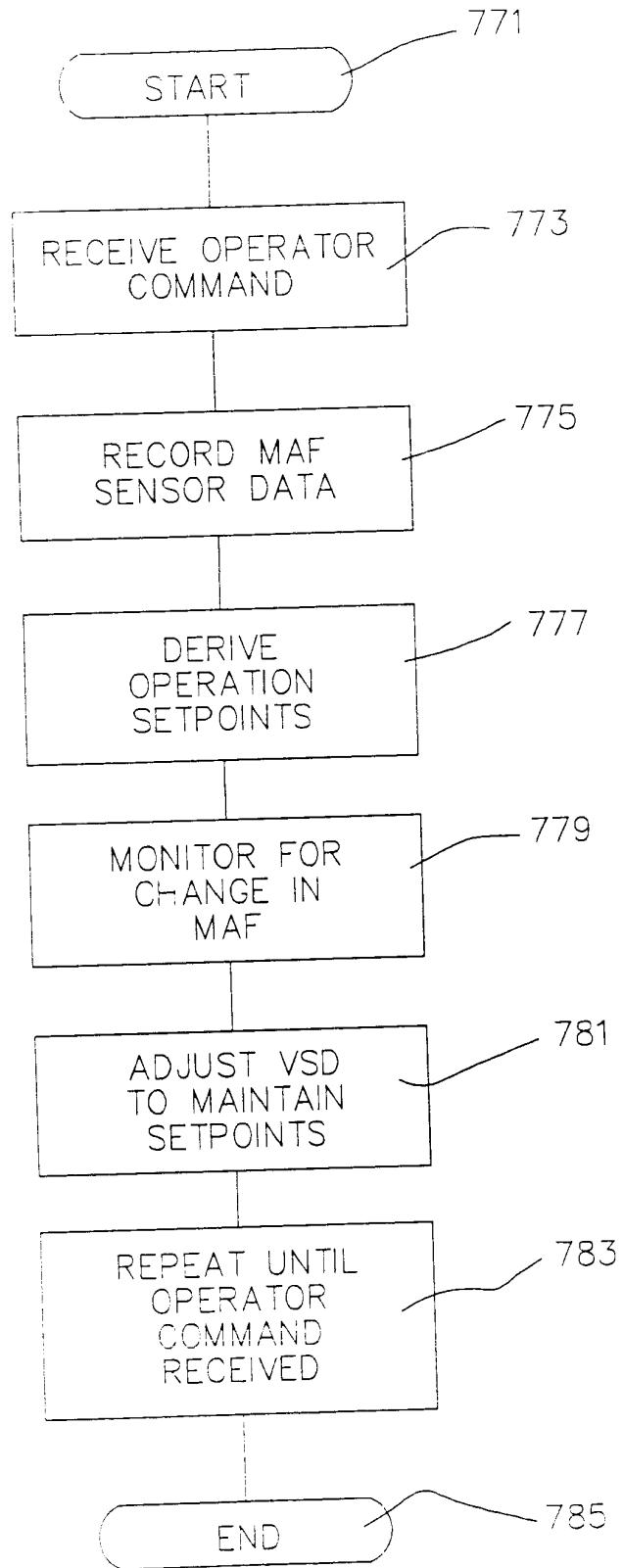


FIGURE 36

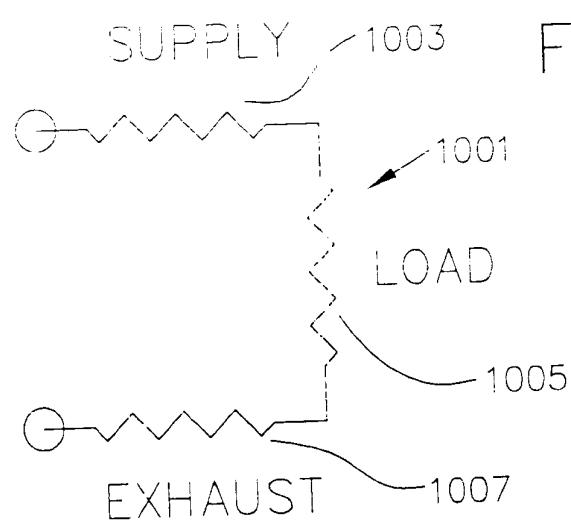


FIGURE 37A  
(PRIOR ART)

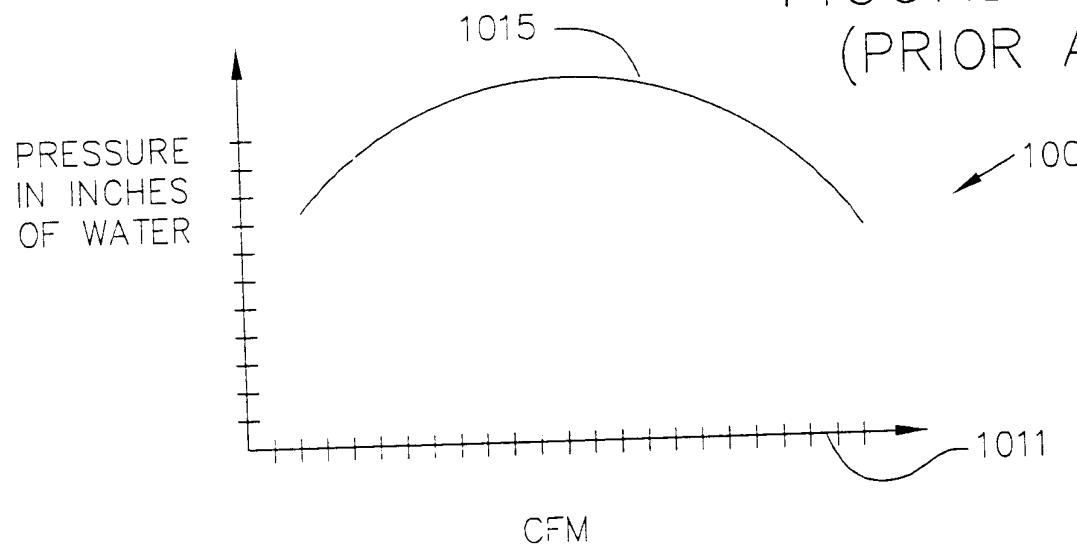


FIGURE 37B  
(PRIOR ART)

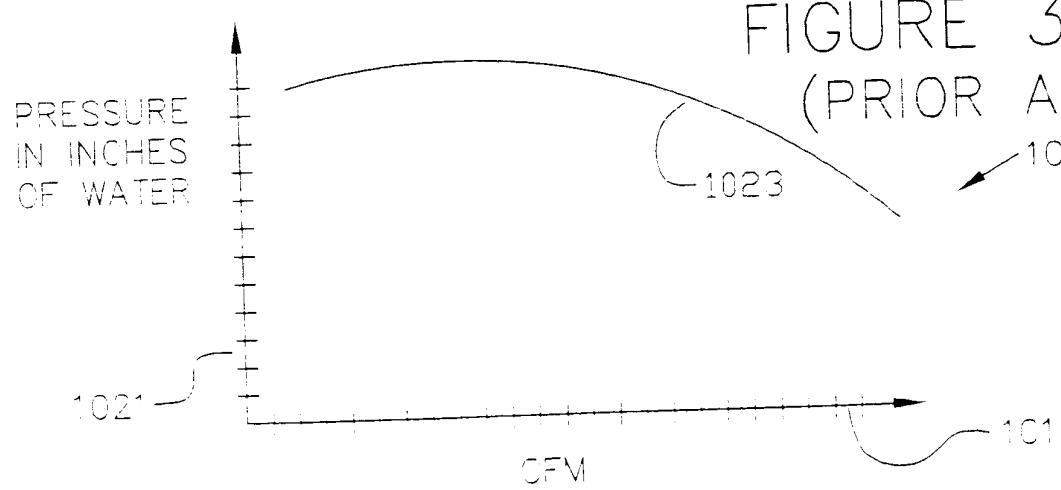


FIGURE 37C  
(PRIOR ART)

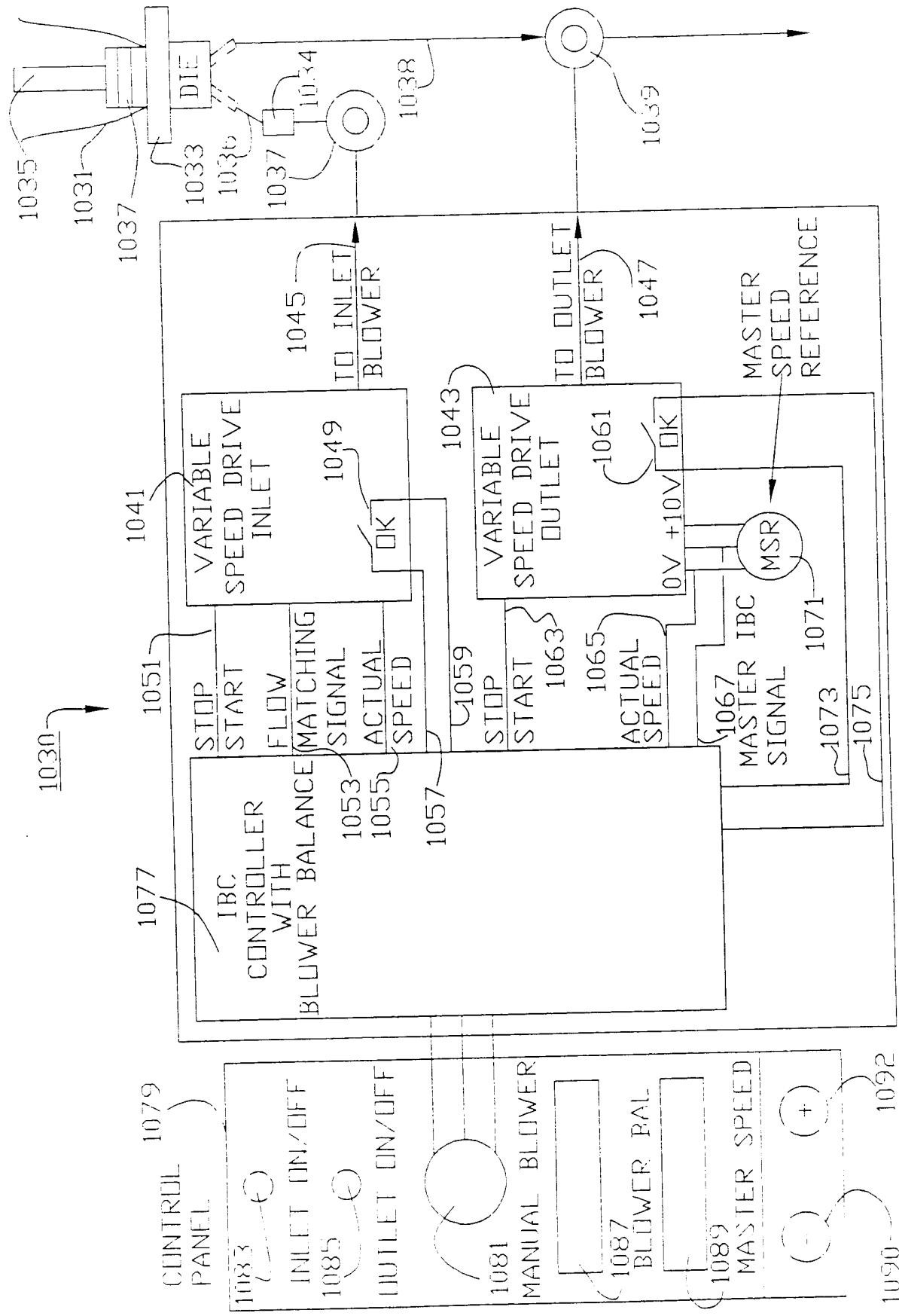


FIGURE 37D

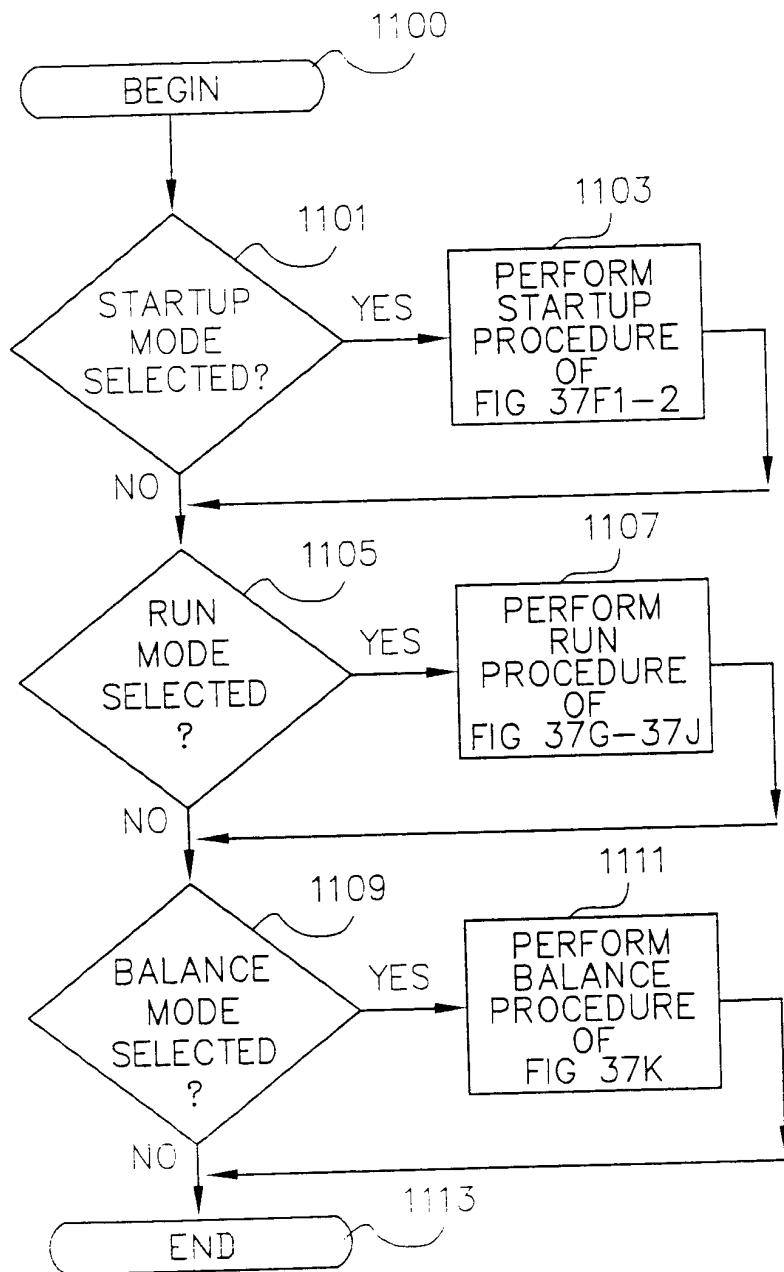
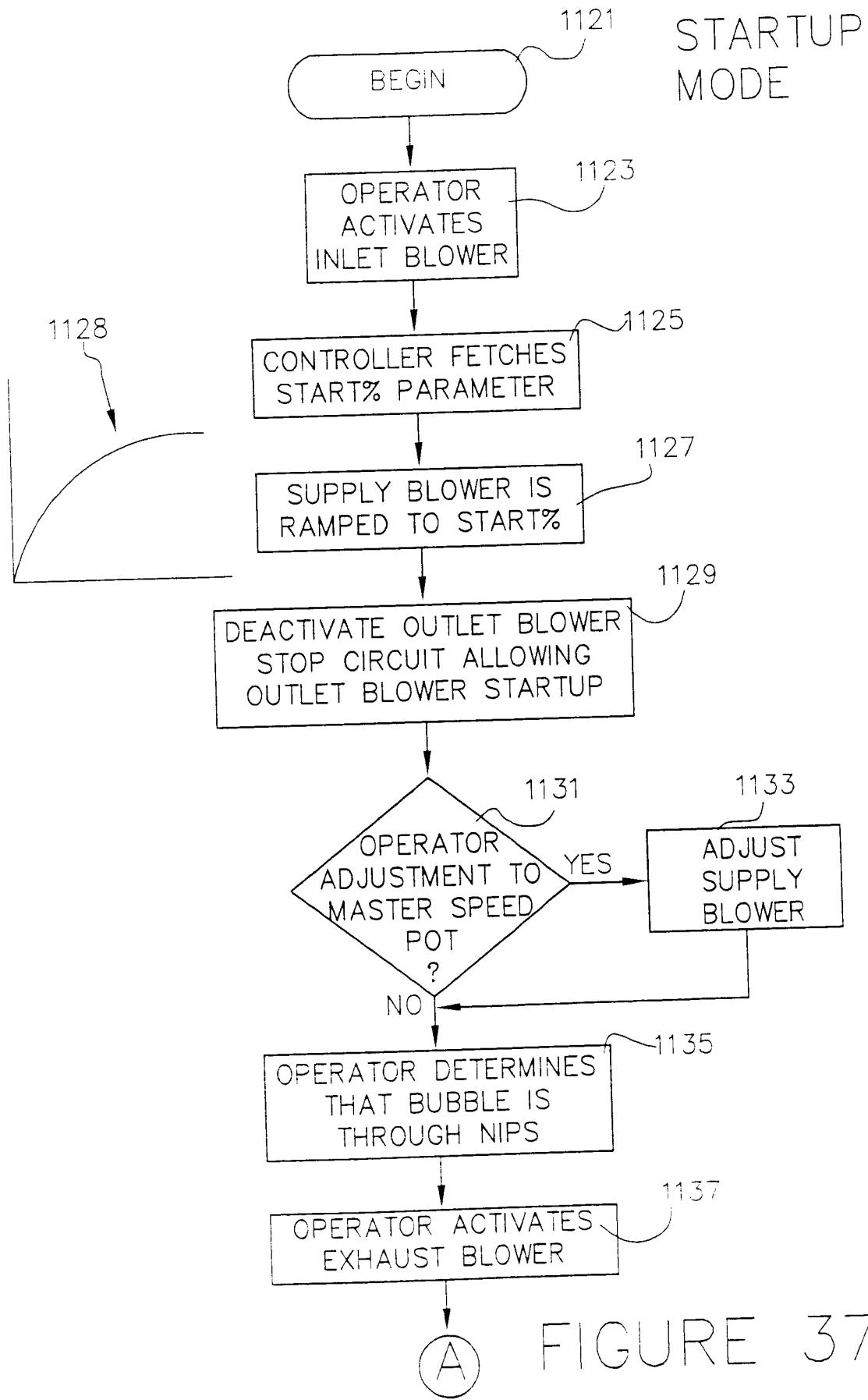


FIGURE 37E



STARTUP  
MODE CONTINUED

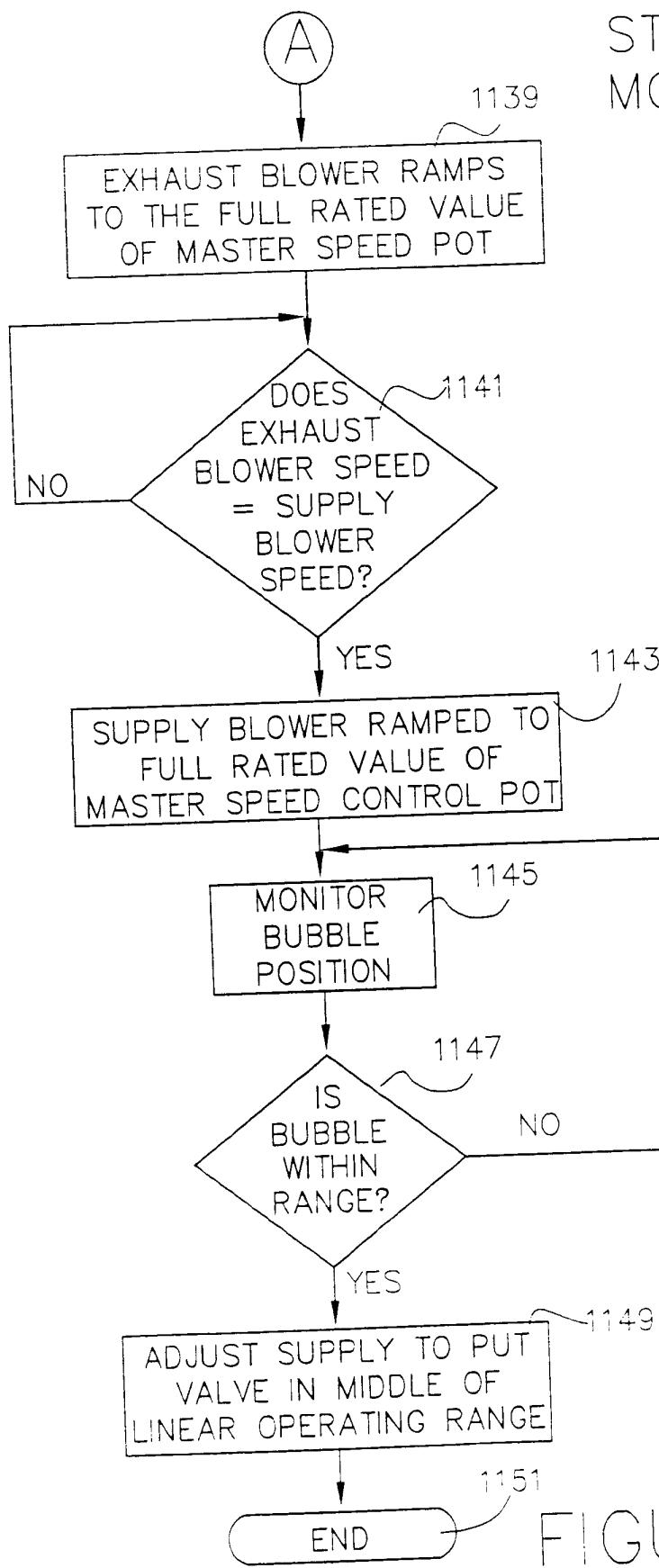


FIGURE 37F2

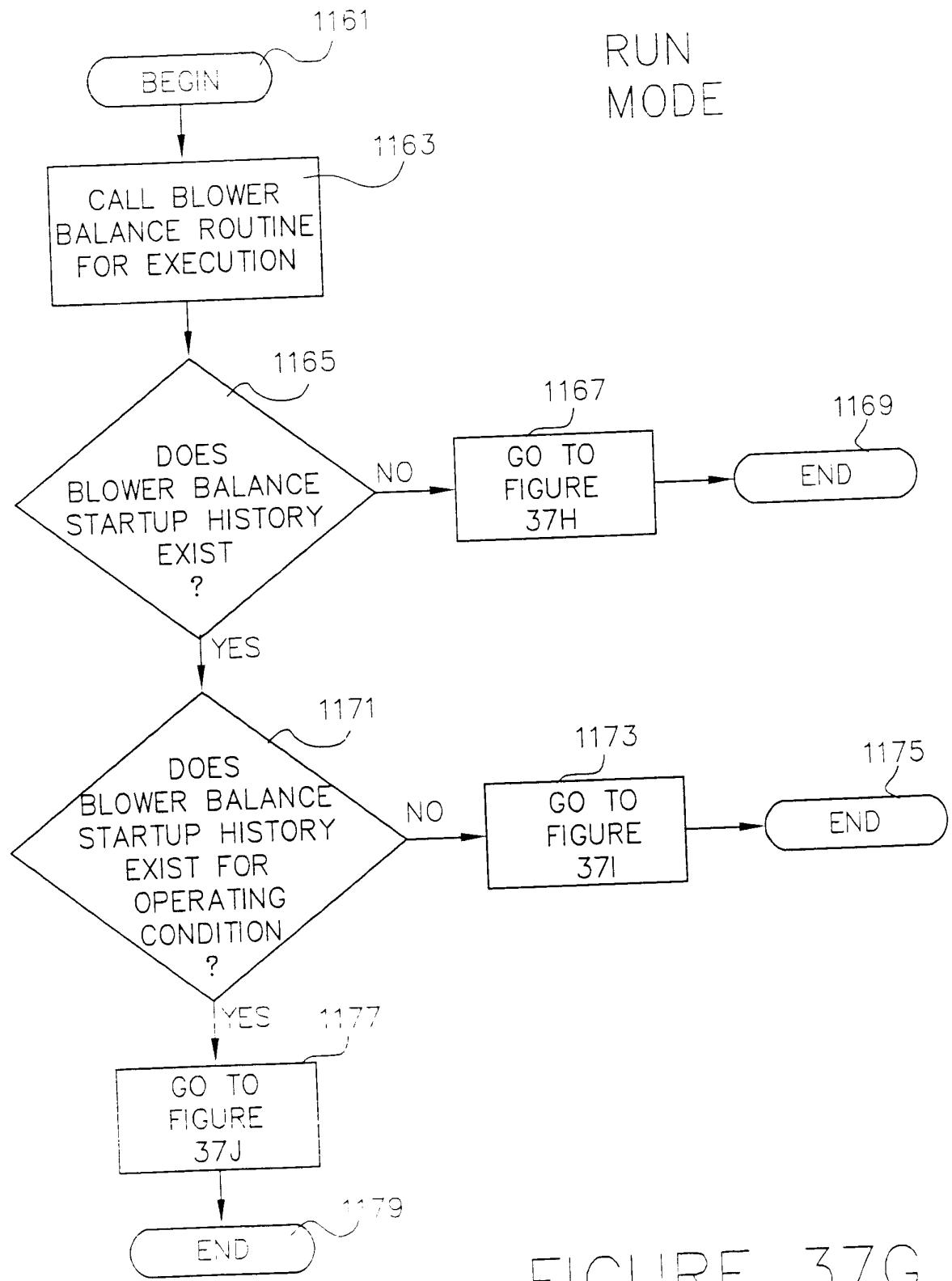


FIGURE 37G

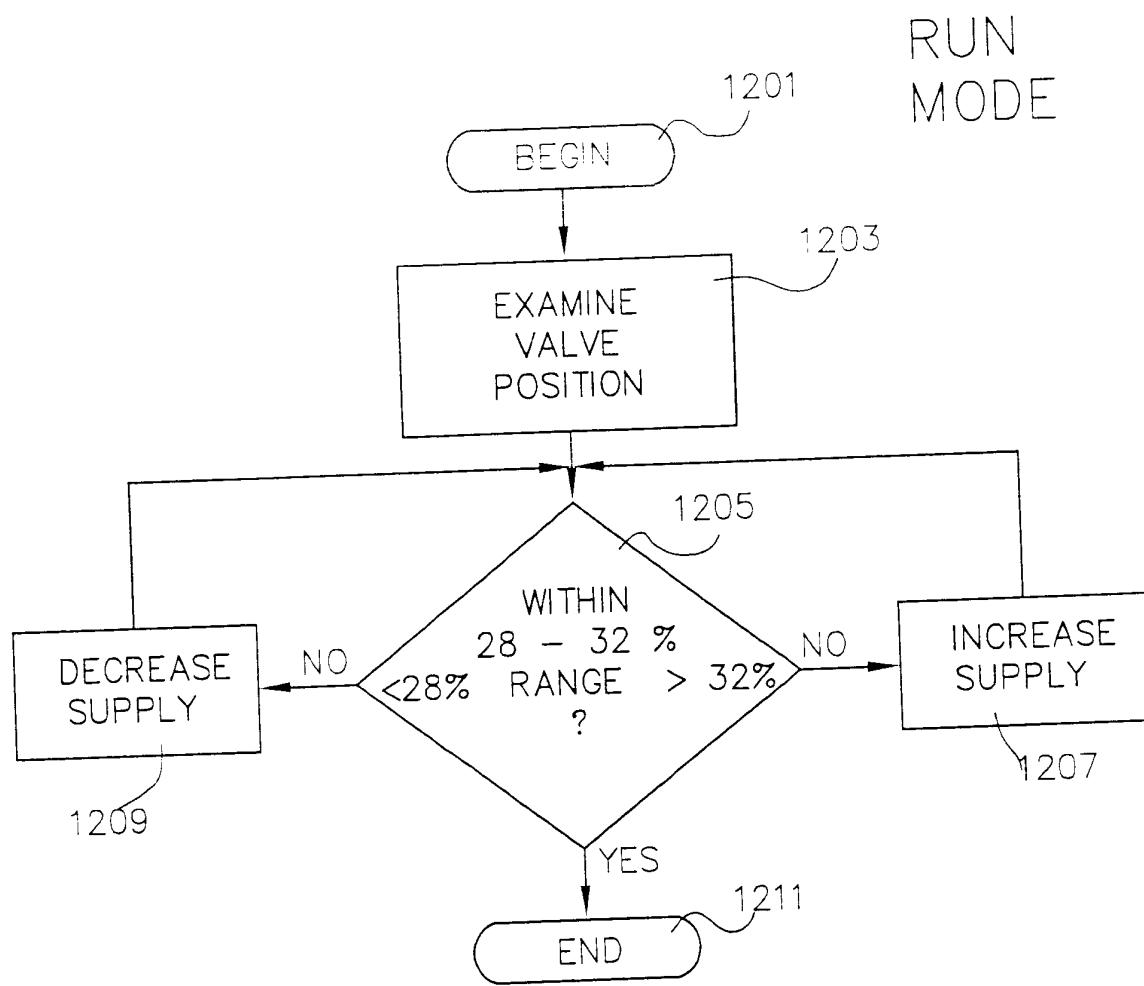


FIGURE 37H

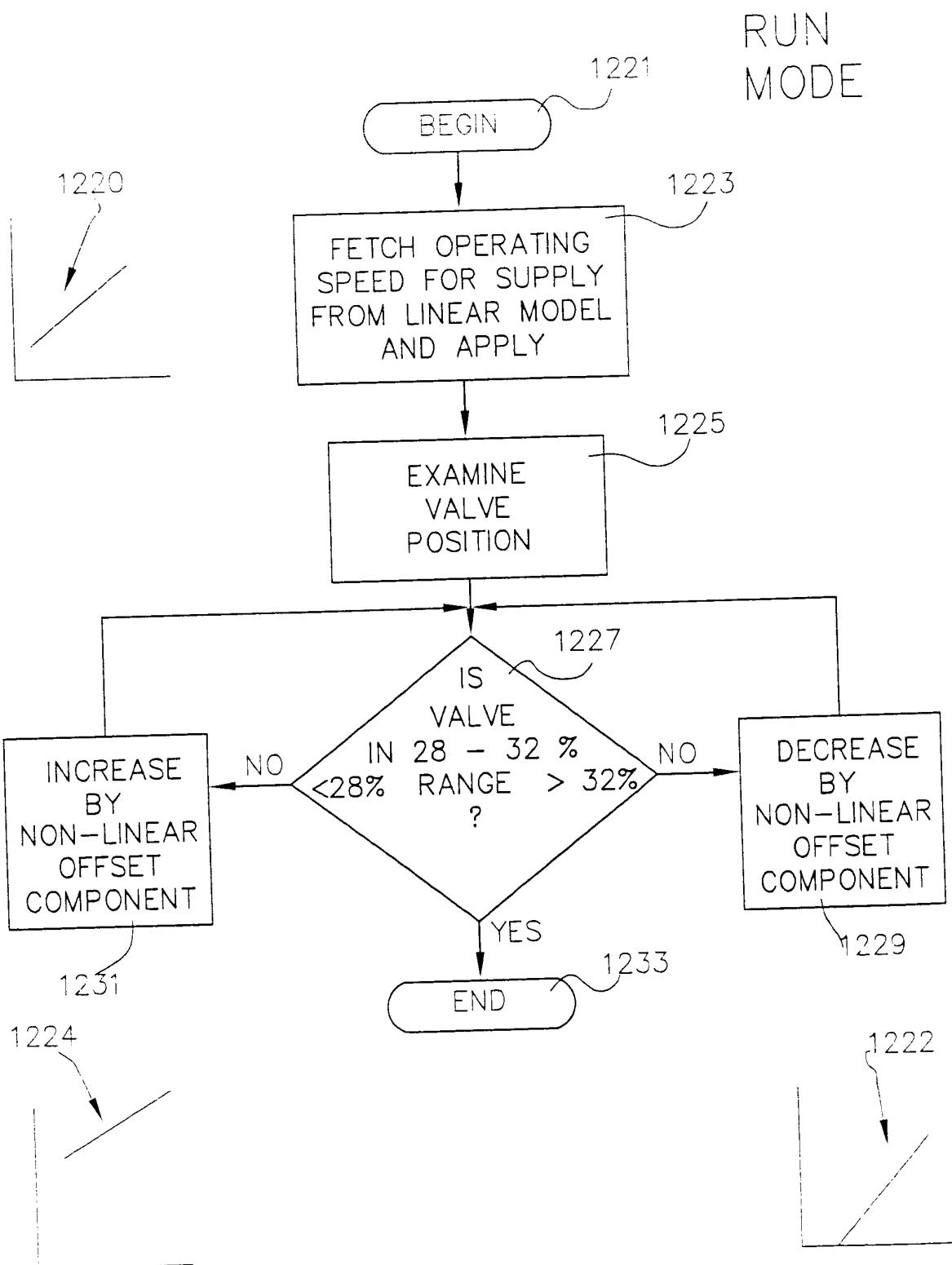


FIGURE 371

RUN  
MODE

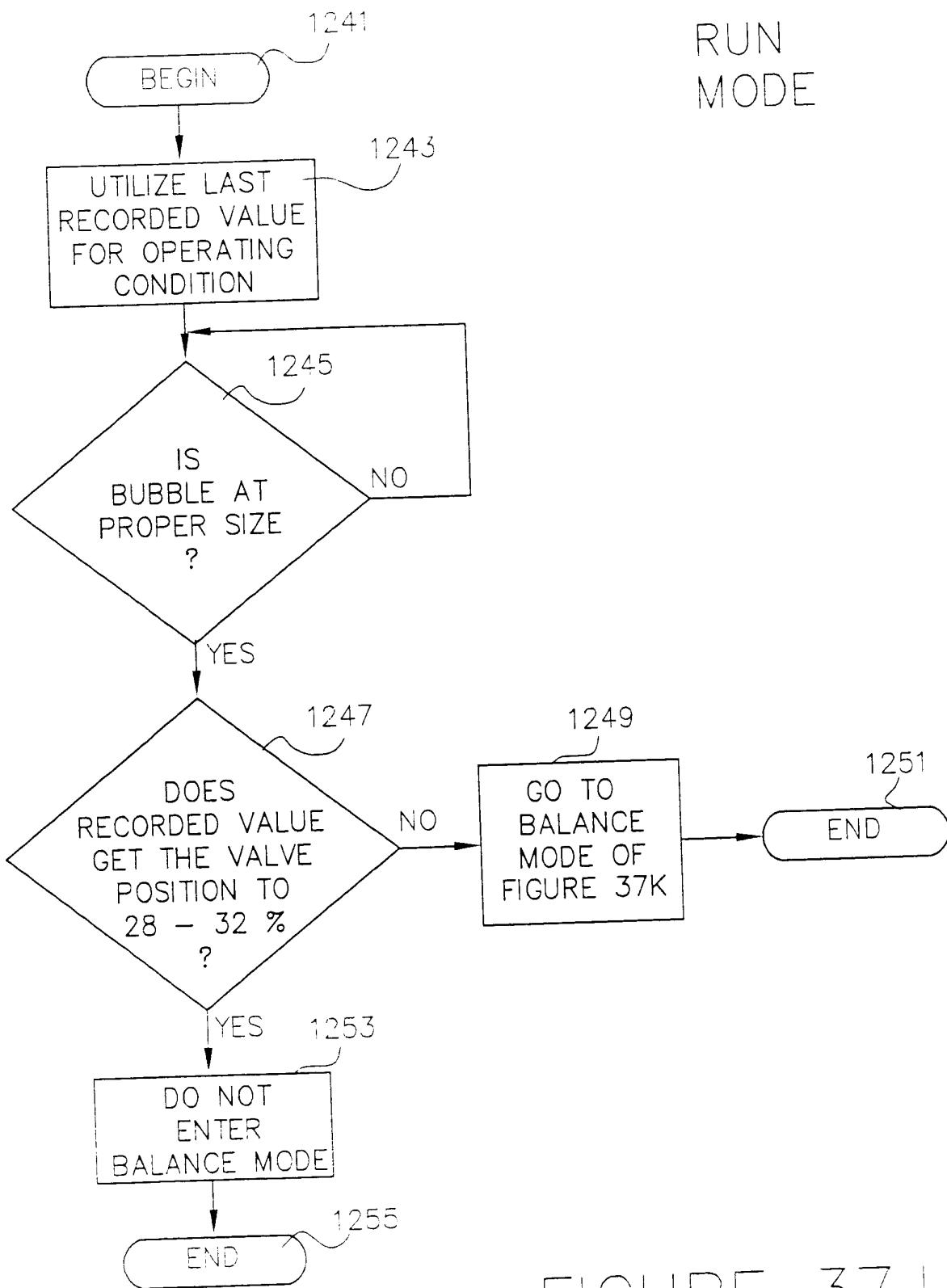


FIGURE 37J

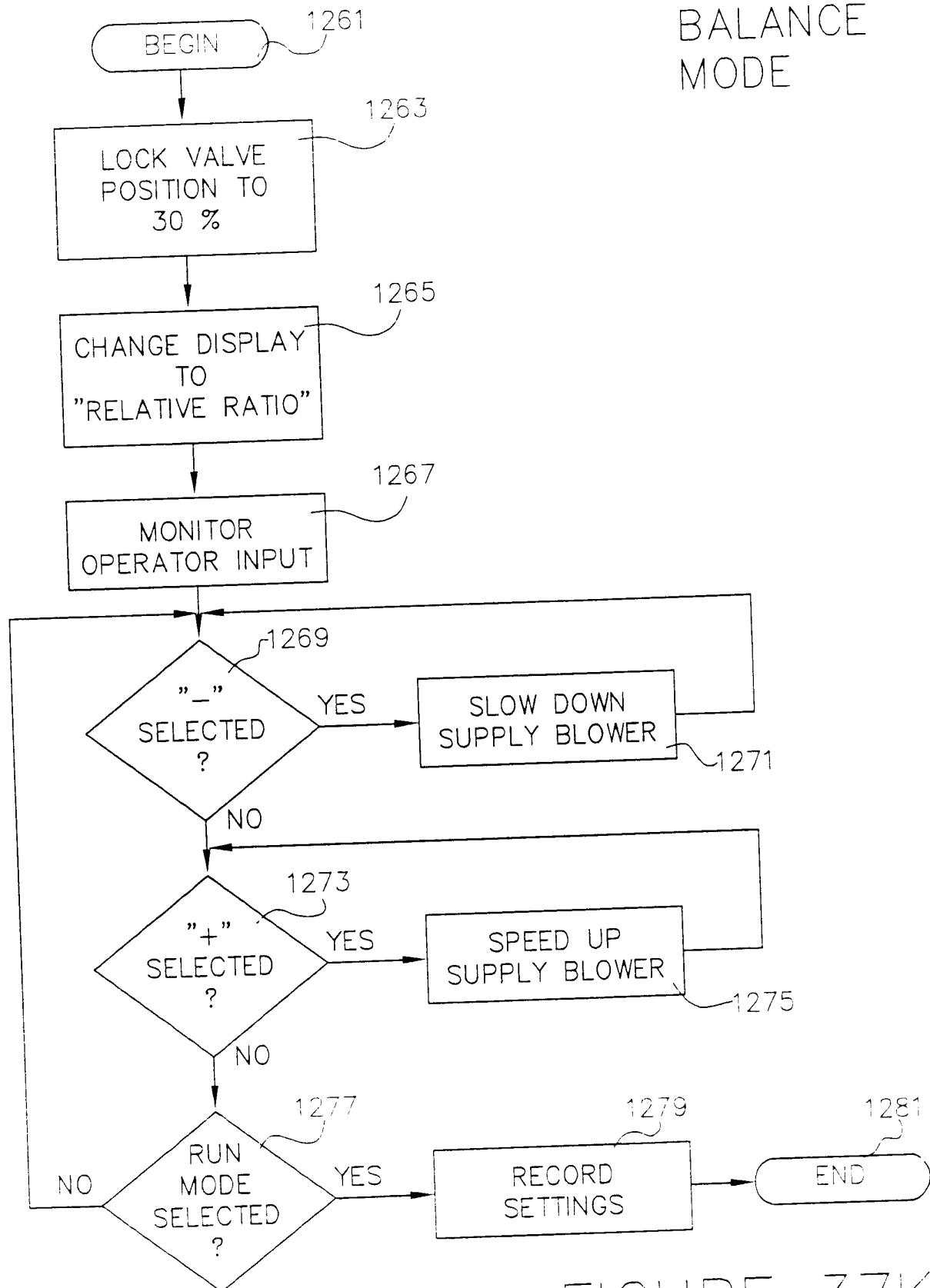


FIGURE 37K

MASTER SPEED POT SETTING	SUPPLY SPEED	REFERENCE VOLTS
A%	AC	BD
B%	AG	BF
o	o	o
o	o	o
o	o	o
o	o	o
Z%	AM	BX

FIGURE 37L

BUBBLE  
BREAK  
DETECTOR

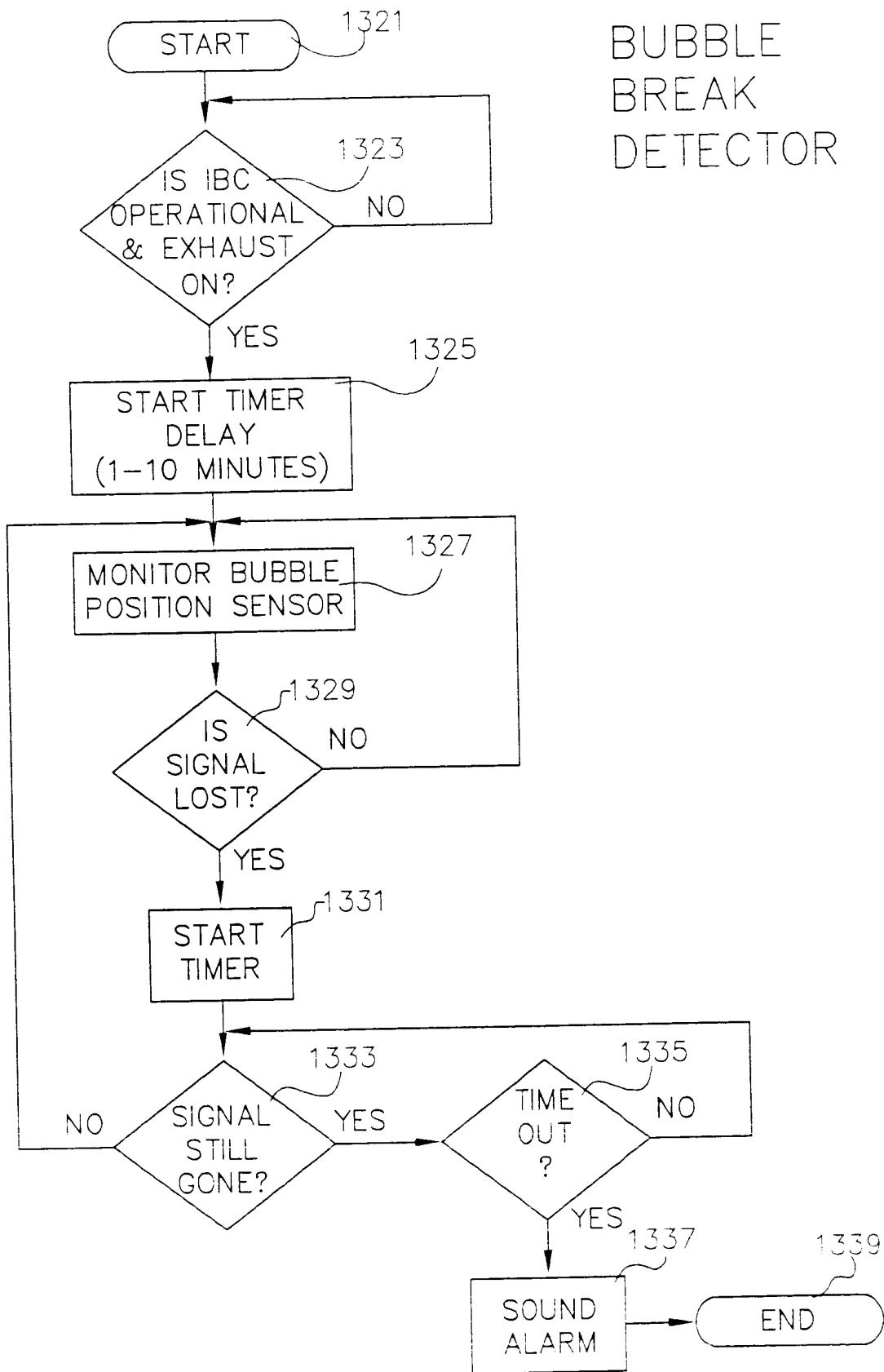


FIGURE 37M